

# **Department of English**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

**DYAL SINGH COLLEGE, KARNAL**  
**Department of English**

**Name of the programme: Bachelor of Arts**

**Duration: 3 years**

<b>Programme Outcomes (POs)</b>		
PO1	Knowledge	Acquiring in-depth knowledge in the field of English literature and language and comprehending its various forms and dimensions.
PO2	Communication	Developing skills that shall facilitate effective communication among students at personal, professional and social levels. Students shall develop oral communication skills that will help them in real-life situations.
PO3	Problem-Solving	Students will be ignited enough to apply and utilize their knowledge in problem-solving at critical levels. Such critical analysis and problem-solving skills will aid students in research work and in real life as well.
PO4	Individual and Teamwork	Students shall demonstrate commendable work values and ethics at individual and team levels so as to become responsible member of community and society at large.
PO5	Investigation of Problems	To develop abilities of critical thinking, analysis and logical reasoning in students that will help them in research work.
PO6	Modern Tool Usage	Ability to grasp new concepts and skills through informative videos available on YouTube, and PowerPoint presentations prepared by the faculty.
PO7	Contribution to Society	Shaping the students as socially responsible citizens by developing a scientific as well as humane outlook towards life.
PO8	Life-Long Learning	Acquiring profound knowledge in the field of literature which includes philosophical, historical and sociological strains thereby sensitizing students to life and equipping them to deal with it in a better manner.

PO9	Environment and Sustainability	Appreciating the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
PO10	Ethics	Developing the emotional, aesthetic, reflective and intellectual faculties of students in order to enhance their ethical quotient.

**Programme Specific Objectives (PSOs)**

PO1	To expose students to the best examples of prose and poetry in English so that they realize the beauty and communicative power of English.
PO2	To introduce them to the basics of phonology of English so that they can pronounce better and speak English correctly.
PO3	To expose students to varied cultural experiences through literature
PO4	To enhance employability of the students by developing their linguistic competence and communicative skills

**Scheme of Examination for B.A. General (English)**

Semester	Paper Code	Nomenclature of Paper	Internal Assessment	Examination	Total Marks	Time
First	EN21	English	20	80	100	3 hours
Second	EN22	English	20	80	100	3 hours
Third	EN23	English	20	80	100	3 hours
Fourth	EN24	English	20	80	100	3 hours
Fifth	EN25	English	20	80	100	3 hours
Sixth	EN26	English	20	80	100	3 hours

**B.A. English Core Semester 1 (EN21)**

**Course Objectives:** To familiarize students with excellent pieces of prose in English and help broaden their vision with essays covering a wide range of topics.

## Syllabus

### **PART A**

1. Speech Sounds
2. Choosing Our Universe- Stephen Hawking and Leonard Mlodinow
3. Are Dams the Temples of Modern India? – Arundhati Roy
4. The Generation Gap – Benjamin McLane Spock
5. Language and National Identity – Nirmal Verma
6. Wounded Plants – Jagadish Chandra Bose
7. Playing the English Gentleman – M.K. Gandhi
8. Great Books Born out of Great Minds – A.P.J. Abdul Kalam
9. The Responsibility of Young Men – Lal Bahadur Shastri
10. Bharat Mata – Jawaharlal Nehru

### **PART B**

1. Translation – Hindi to English
2. Paragraph writing

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	2	3	3	3	2	3	2	3	2	3
2	2	2	3	2	3	2	3	3	2	2
3	2	3	1	3	1	3	2	2	1	2
4	2	2	3	3	3	2	3	3	2	3
Average	2	2.5	2.5	2.75	1.8	2.5	2.5	2.75	1.75	2.5

COs	PSO1	PSO2	PSO3	PSO4
1	3	3	2	3
2	3	1	3	2
3	2	3	2	3
4	3	2	3	2
Average	2.75	2.25	2.5	2.5



## B.A. English Core Semester II (EN22)

**Course Objectives:** To expose students to the basics of short stories and help them to appreciate the creative use of language in literature.

**Course Outcomes:**

1. To familiarize students with the different types of short stories in English.
2. To make students understand the dynamics of various cultures and thereby enhance their appreciation of culturally diverse societies.
3. To improve their pronunciation of English language by teaching the basics of phonology.
4. Develop the knowledge of the grammatical system of English language.

### Syllabus

**PART A**

1. Pigeons at Daybreak – Anita Desai
2. With the Photographer – Stephen Leacock
3. The Journey – Temsula Ao
4. The Refugee – K.A. Abbas
5. Bellows for the Bullocks: A Haryanavi Folktale
6. Panchlight – Phanishwar Nath Renu
7. The Child – Premchand
8. The Blind Dog- R.K. Narayan

**PART B**

1. Grammar
2. Essay Writing

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	3	2	2	2	2	2	3	3	2	3
2	3	2	2	2	3	2	3	3	2	3
3	3	3	2	2	1	3	2	3	1	2
4	3	3	2	2	1	3	2	2	1	2
Average	3	2.5	2	2	1.75	2.5	2.5	2.75	1.5	2.5

COs#	PSO1	PSO2	PSO3	PSO4
1	3	2	3	2
2	3	2	3	2
3	2	3	2	3
4	2	3	3	3
Average	2.5	2.5	2.75	2.5

### **B. A. (General) III Semester EN-23**

**Course Objectives:** The aim of this course is to introduce the students to One-Act plays. The course aims at introducing some advanced units of language (word accent, syllabic division, etc.) to make the students aware of the technical aspects of the language. The course is designed to groom the overall personality of the students by including various writing skill components like resume writing, email writing, dialogue writing, etc.

**Course Outcomes:** After the completion of this course, the students will be able to:

- EN-24.1 Develop interest in appreciating and analyzing special kind of drama i.e. One-Act play.
- EN-24.2 Know the relationship between literature and life.
- EN-24.3 Become competent users of English in real life.
- EN-24.4 Develop overall personality by improving their communicative and soft skills.

#### **PRESCRIBED BOOK**

Fragrances: A Collection of Poems

#### **CO-PO Mapping Matrix for Course Code: EN-24**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
EN-24.1	3	2	1	2	3	3	2	2	1	2
EN-24.2	3	3	2	3	3	2	3	3	2	3
EN-24.3	2	3	2	1	2	3	2	2	1	2
EN-24.4	2	3	2	3	2	3	3	3	1	3
Average	2.5	2.75	1.75	2.25	2.5	2.75	2.5	2.5	1.25	2.5

**CO-PSO Mapping Matrix for Course Code: EN-24**

COs#	PSO1	PSO2	PSO3	PSO4
EN-24.1	3	2	2	2
EN-24.2	3	2	3	2
EN-24.3	2	3	2	3
EN-24.4	3	3	3	3
Average	2.75	2.5	2.5	2.5

**B. A. (General) IV Semester EN-24**

**Course Objectives:** The aim of this course is to introduce the students to One-Act plays. The course aims at introducing some advanced units of language (word accent, syllabic division, etc.) to make the students aware of the technical aspects of the language. The course is designed to groom the overall personality of the students by including various writing skill components like resume writing, email writing, dialogue writing, etc.

**Course Outcomes:** After the completion of this course, the students will be able to:

- EN-24.5 Develop interest in appreciating and analyzing special kind of drama i.e. One-Act play.
- EN-24.6 Know the relationship between literature and life.
- EN-24.7 Become competent users of English in real life.
- EN-24.8 Develop overall personality by improving their communicative and soft skills.

**PRESCRIBED BOOK**

Centre Stage: A Collection of One-Act Plays

**CO-PO Mapping Matrix for Course Code: EN-24**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
EN-24.5	3	2	1	2	3	3	2	2	1	2
EN-24.6	3	3	2	3	3	2	3	3	2	3
EN-24.7	2	3	2	1	2	3	2	2	1	2
EN-24.8	2	3	2	3	2	3	3	3	1	3
Average	2.5	2.75	1.75	2.25	2.5	2.75	2.5	2.5	1.25	2.5

**CO-PSO Mapping Matrix for Course Code: EN-24**

COs#	PSO1	PSO2	PSO3	PSO4
EN-24.5	3	2	2	2
EN-24.6	3	2	3	2
EN-24.7	2	3	2	3
EN-24.8	3	3	3	3
Average	2.75	2.5	2.5	2.5

**B.A. General English Part III (5<sup>th</sup> Sem)**

**Course Objectives:** This course aims to equip students with the knowledge of Indian Writing in English and its various such facets as socio-political contexts, cultural background, colonial influences and use of English language.

**Course Outcomes:** At the end of this course students will be able to-

1. Situate the prescribed text in its historical and socio-political background and context.
2. Comprehend the literary form of Novel, its constituents and its types.
3. Read and analyze a literary text with a critical perspective.
4. Comprehend the concepts intonation, transcription, types of sentences, words and phrases, etc.

**SYLLABUS**

*Reading a Novel: Kanthapura & An Exercise in Language Use* edited by Umed Singh, Pankaj Sharma, Deepti Dharmani.

CO-PO Mapping Matrix for Course Code:											
COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
	3	3	3	2	3	3	3	3	3	3	
	3	3	3	2	3	2	3	3	3	3	
	2	3	3	2	3	1	3	3	3	3	
	3	2	3	2	3	3	2	3	2	2	
Average	2.75	2.75	3	2	3	2.25	2.75	3	2.75	2.75	

CO-PSO Mapping Matrix for Course Code:				
COs#	PSO1	PSO2	PSO3	PSO4
	3	2	3	3
	3	2	3	3
	3	3	3	3
	3	3	2	3
Average	3	2.5	2.75	3

### **B.A. General English Part III (6<sup>th</sup> Sem)**

**Course Objectives:** The objective of this course is to introduce students to Elizabethan drama and Shakespearean Comedy along with the development of composition skills.

**Course Outcomes:** At the end of this course students will be able to-

1. Interpret the prescribed play with close analysis of the text.
2. Perform a critical analysis of the play.
3. Demonstrate writing and composition skills.
4. Gain profound insight into the fundamentals of modes of communication through composition.

### **SYLLABUS**


*Interpreting a Play: The Merchant of Venice and Developing Composition Skills* by Deepti Dharmani, Pankaj Sharma and Umed Singh.

**CO-PO Mapping Matrix for Course Code:**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.	3	3	3	2	3	3	3	3	2	3	
2.	3	3	3	2	3	3	3	3	2	3	
3.	2	3	3	3	3	1	3	2	1	3	
4.	3	3	2	3	3	1	2	3	1	3	
Average	2.75	3	2.75	2.5	3	2	2.75	2.75	1.5	3	

**CO-PSO Mapping Matrix for Course Code:**

COs#	PSO1	PSO2	PSO3	PSO4
1.	3	1	3	3
2.	3	1	3	3
3.	3	3	3	3
4.	3	3	3	3
Average	3	2	3	3

  
 Principal  
 Dyal Singh College  
 KARNAL

# **Department of English**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Hons. Course**

**Dyal Singh College, Karnal**  
**Department of English**

**NAME OF THE PROGRAMME : B.A. (Hons) English**

**DURATION : 3 Years**

**Programme Outcomes (POs)**

<b>Programme Outcomes (POs)</b>		
PO1	Knowledge	Enablement of students in understanding the range, significance and scope of English Literature along with the evolution and application of English language.
PO2	Communication	Facilitating impeccable communication skills among students and making them not only fluent and eloquent speakers but also keen and courteous listeners.
PO3	Problem Solving	Enabling students to participate in critical problem solving, which will usher in collaborative growth of knowledge and skills.
PO4	Critical Analysis	Making students open to appreciating ambiguity and complexity with great gusto and encouraging them to look at each text with an eye of multi-dimensional and all-rounded critical analysis.
PO5	Investigation of Problems	Encouraging students to participate in classroom queries-session on a regular basis to enable their investigative faculties, which will in turn facilitate the evolution of their logical and critical faculties.
PO6	Modern Tool Usage	Making students hands-on with those fields of knowledge and information which are otherwise inaccessible to them due to situational, geographical or logistical limitations.
PO7	Individual and Society	Facilitating greater understanding of life, human conditions and the role of a responsible individual in the society so as to make students responsible citizens and sensitive individuals.



PO8	Writing Skills	Enabling students to write effectively across various individual, professional and social settings. Encouraging them to develop writing skills with motivated inquiry so that they can demonstrate their abilities in creative, editorial and research works.
PO9	Application	Enabling students to apply their knowledge into rigorous methods of inquiry and appropriate theories so as to meet the goals and challenges of not only professional sphere but also of life in general.
PO10	Intertextuality	Articulating the relationship among diverse fields and forms of disciplines and knowledge within wider range of social, cultural and historical contexts.

**Scheme of Examination for B.A. English Honours**

Course Code	Nomenclature of Paper	Internal Assessment	Examination	Total Marks	Time
<b>Semester-</b>		<b>First</b>			
EHH-I	Literature in English (1550-1660) Part I	20	80	100	3 hours
EHH-II	Literature in English (1550-1660) Part I	20	80	100	3 hours
<b>Semester-</b>		<b>Second</b>			
EHH-III	Literature in English (1660-1750) Part I	20	80	100	3 hours
EHH-IV	Literature in English (1660-1750) Part II	20	80	100	3 hours
<b>Semester-</b>		<b>Third</b>			
EHH-105	Literature in English (1750-1830) Part I	20	80	100	3 hours

EHH-106	Literature in English (1750-1830) Part II	20	80	100	3 hours
EHH-107	Grammar and Contemporary English Usage Part- I	20	80	100	3 hours
<b>Semester- Fourth</b>					
EHH-108	Literature in English (1830-1900) Part- I	20	80	100	3 hours
EHH-109	Literature in English (1830-1900) Part- II	20	80	100	3 hours
EHH-110	Grammar and Contemporary English Usage Part- II	20	80	100	3 hours
<b>Semester- Fifth</b>					
EHH-XI	Modern British Literature- I	20	80	100	3 hours
EHH-XII	Indian Writing in English- I	20	80	100	3 hours
EHH-XIII	Modern World Literature- I	20	80	100	3 hours
<b>Semester- Sixth</b>					
EHH-XIV	Modern British Literature- II	20	80	100	3 hours

EHH-XV	Indian Writing in English-II	20	80	100	3 hours
EHH-XVI	Modern World Literature-II	20	80	100	3 hours

### Semester- First

#### **PAPER I: Literature in English (1550-1660)-I**

**Course Objectives:** The objective of this paper is to equip students with the drama and poetry of Elizabethan period along with its contemporary cultural and literary trends.

**Course Outcomes:** After studying this paper, students will be able to:

1. Identify the contemporary literary trends and phases of evolution of poetry and drama in Elizabethan England.
2. Read the prescribed texts in-depth and perform a critical analysis on its crucial components.
3. Draw relationship between the larger theme of the text and its body at whole.

#### **CO-PO Mapping Matrix for Course Code: EHH-I**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.	3	3	3	3	2	2	3	3	2	3	
2.	3	3	3	3	3	3	3	3	3	2	
3.	3	3	3	3	3	2	3	3	3	3	
Average	3	3	3	3	2.66	2.33	3	3	2.66	2.66	

**CO-PSO Mapping Matrix for Course Code: EHH-I**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1.	2	3	3	3	2
2.	2	3	3	3	3
3.	2	3	3	3	3
Average	2	3	3	3	2.66

**UNITS-**

Literary History of the Period (1550-1660)

Shakespeare: *As You Like It*

Christopher Marlowe: *Doctor Faustus*

Spenser: Following Sonnets from *Amoretti*—

“Sweet is the Rose, but grows upon a brere” XXVI

“Mark when she smiles with amiable cheare” XL

“Fayre cruell, why are ye so fierced cruell?” XLIX

“Most Glorious Lord of Lyfe, that on this day” LXVIII

“One day I wrote her name upon the strand” LXXV

**PAPER: II Literature in English (1550-1660) II**

**Course Objectives:** To identify key elements of Renaissance Literature.  
To read poetry and short notes for historical context.

**Course Outcomes:** The course will help to instill in the students the true spirit of English Renaissance.

**CO-PO Mapping Matrix for Course Code: EHH-II**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1.	3	3	3	3	2	2	3	3	2	3
2.	3	3	3	3	3	3	3	3	3	2
3.	3	3	3	3	3	2	3	3	3	3
Average	3	3	3	3	2.66	2.33	3	3	2.66	2.66

**CO-PSO Mapping Matrix for Course Code: EHH-II**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1.	2	3	3	3	2
2.	2	3	3	3	3
3.	2	3	3	3	3
Average	2	3	3	3	2.66

**UNITS**

Social, Cultural and Political Background of the age  
 William Shakespeare  
 John Donne  
 Sir Philip Sidney

**Semester- Second****Paper III: Literature in English (1660-1750) I**

**Course Objectives:** The objective of this paper is to equip students with the various forms of Satire through social and political satires in the form of poetry and prose.

**Course Outcomes:** After studying this paper, students will be able to:

1. Identify Satire, its structure, types, characteristics and application.
2. Read the prescribed texts in-depth and perform a critical analysis on its crucial components.
3. Draw relationship between the text and the socio-political conditions during which the text was written.

**CO-PO Mapping Matrix for Course Code: EHH-III**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.	3	3	2	3	3	2	2	3	3	3	
2.	3	3	3	3	3	2	3	3	3	3	
3.	3	3	3	3	3	3	3	3	3	3	
Average	3	3	2.66	3	3	2.33	2.66	3	3	3	

**CO-PSO Mapping Matrix for Course Code: EHH-III**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1.	2	3	3	2	3
2.	2	3	3	3	3
3.	2	3	3	3	3
Average	2	3	3	2.66	3

**UNITS**

John Dryden: *MacFlecknoe*  
 Alexander Pope: *An Epistle to Dr. Arbuthnot*  
 Jonathan Swift: *A Modest Proposal*

**PAPER: IV LITERATURE IN ENGLISH (1660-1750)- II**

**Course Objectives:** To provide knowledge about the growth of English language and literature during the Restoration period.

**Course Outcomes:** The students will be familiarized with the eminent writers of the Restoration age and the features of their writings.

**CO-PO Mapping Matrix for Course Code: EHH-IV**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.	3	3	2	3	3	2	2	3	3	3	
2.	3	3	3	3	3	2	3	3	3	3	
3.	3	3	3	3	3	3	3	3	3	3	
Average	3	3	2.66	3	3	2.33	2.66	3	3	3	

**CO-PSO Mapping Matrix for Course Code: EHH-IV**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1.	2	3	3	2	3
2.	2	3	3	3	3
3.	2	3	3	3	3
Average	2	3	3	2.66	3

**UNITS**

Political and social conditions of the Restoration Age  
 Selected essays of Steele  
 Selected essays of Addison  
 R. B. Sheridan: *The School for Scandal*

**Semester- Third**

**PAPER V: Literature in English (1750-1830) I**

**Course Objectives:** The objective of this paper is to equip students with the poetry of Romantic Period as well as social and political background of the age.

**Course Outcomes:** After studying this paper, students will be able to:

1. To discuss the revival of different types of poetry: Sonnet, Lyric, Ballad, etc.
2. Read the prescribed texts in-depth and perform a critical analysis on its crucial components.
3. Draw relationship between the text and the socio-political conditions during which the text was written.

**CO-PO Mapping Matrix for Course Code: EHH-105**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.	3	3	2	3	3	2	2	3	3	3	
2.	3	3	3	3	3	2	3	3	3	3	
3.	3	3	3	3	3	3	3	3	3	3	
Average	3	3	2.66	3	3	2.33	2.66	3	3	3	

**CO-PSO Mapping Matrix for Course Code: EHH-105**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1.	2	3	3	2	3
2.	2	3	3	3	3
3.	2	3	3	3	3
Average	2	3	3	2.66	3

**UNITS**

William Wordsworth- Selected Poems  
 S.T. Coleridge-Dejection: An Ode, Frost at Midnight  
 John Keats-Selected poems



**PAPER-VI Literature in English: 1750-1830 II**

**Course Objectives:** The programme:

1. Helps the students to come across Romantic writers- Charles Lamb and others.
2. Enhances critical thinking and analytical approach of students
3. Cultivates language skills of students by introducing them to structures of language through a wide variety of literary works.

COs#	PO1	PO2	PO3	PO4
A	3	3	3	3
B	3	3	3	3
C	3	3	3	3
Average	2.66	3	2.66	3

COs#	PSO-1	PSO-2	PSO-3	PSO-4
A	3	2	3	3
B	3	3	3	3
C	3	3	3	3
Average	3	2.66	3	3

**UNITS**

Social, cultural and political background of the age

Charles Lamb: Selected Essays

Jane Austen: *Emma*

Oliver Goldsmith: *The Vicar of Wakefield*



**CO-PSO Mapping Matrix for Course Code: EHH-107**

COs#					
ENG-B.A.-VII-1	3	3	3	3	3
ENG-B.A.-VII-1	3	3	3	3	3
ENG-B.A.-VII-1	3	3	3	3	3
ENG-B.A.-VII-1	3	3	3	3	3
Average	3	3	3	3	3

**UNITS**

Essay writing  
Comprehension  
Parts of Speech  
Verb Patterns  
Clauses

**Semester- Fourth****PAPER VIII: Literature in English (1830-1900) I**

**Course Objectives:** The objective of this paper is to equip students with poetry of Victorian period along with its contemporary cultural and literary trends.

**Course Outcomes:** After studying this paper, students will be able to:

1. Identify the contemporary literary trends and phases of evolution of poetry, fiction and drama in the period 1830-1900.
2. Read the prescribed texts in-depth and perform a critical analysis on its crucial components.
3. Draw relationship between the larger theme of the text and its body as a whole.

**CO-PO Mapping Matrix for Course Code: EHH-108**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.	3	3	3	3	2	2	3	3	2	3	
2.	3	3	3	3	3	3	3	3	3	2	
3.	3	3	3	3	3	2	3	3	3	3	
Average	3	3	3	3	2.66	2.33	3	3	2.66	2.66	

**CO-PSO Mapping Matrix for Course Code: EHH-108**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1.	2	3	3	3	2
2.	2	3	3	3	3
3.	2	3	3	3	3
Average	2	3	3	3	2.66

**UNITS**

Matthew Arnold            Selected Poems  
 Alfred Tennyson         Selected Poems  
 Robert Browning         Selected Poems

**PAPER-IX Literature in English:1830 -1900 II**

**Course Objectives:** The programme:

1. Helps the students in learning the evolution of English language and Literature
2. Enhances critical thinking and analytical approach of students
3. Cultivates language skills of students by introducing them to structures of language through a wide variety of literary works.

**Course Outcomes:** After studying this paper, the students will be able to develop an understanding of:

1. Victorian authors and their works, literary trends and historical perspective of the Period.
2. Peaceful, complacent and intellectually stagnant as well as violent, disturbed and revolutionary age.
3. Changes in social structure, urbanisation and literary fervent of novel writing and critical domain.

COs#	PO1	PO2	PO3	PO4
A	3	3	3	3
B	3	3	3	3
C	3	2	3	3
Average	3	2.66	3	3

COs#	PSO-1	PSO-2	PSO-3	PSO-4
A	3	3	2	3
B	2	3	3	3
C	3	3	3	3
Average	2.66	3	2.66	3

**UNITS**

Thomas Hardy: *The Mayor of Casterbridge*

Charles Dickens: *A Tale of Two Cities*

Non-detailed Study



-4											
Average	3	3	3	3	3	3	3	3	3	3	3

**CO-PSO Mapping Matrix for Course Code: EHH-X**

COs#				
ENG-B.A.-X-1	3	3	3	3
ENG-B.A.- X -2	3	3	3	3
ENG-B.A.- X -3	3	3	3	3
ENG-B.A.- X -4	3	3	3	3
Average	3	3	3	3

**UNITS**

Paragraph writing  
 Precis writing  
 Translation: Hindi to English  
 Voice, Narration  
 Modals, Conjunctions

**Semester- Fifth**

**PAPER: XI Modern British Literature I**

**Course Objectives:** The Aim of this course is to introduce the students to the two celebrated British Writers of the Modern Age i.e. W.B. Yeats and G.B.Shaw.

**Course Outcomes:** At the end of this course, the students will be able to :

1. Understand the concept of modernization in British Literature.
2. Understand the autobiographical elements in Literature.
3. Inculcate emotional, aesthetic, ethical and spiritual value to comprehend the Life in general.
4. Develop proficiency for being a better Human.

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1.	2	3	2	3	2	3	2	3	3	3
2.	3	3	2	3	3	3	2	3	2	2
3.	2	2	2	2	3	3	2	2	2	3
4.	2	2	2	3	2	2	2	2	2	2
Average	2.25	2.5	2	2.75	2.5	2.75	2	2.5	2.25	2.25

**CO-PSO Mapping Matrix for Course Code: EHH-XI**

COs	PSO1	PSO2	PSO3	PSO4	PSO5
1.	3	2	2	3	3
2.	3	3	3	3	3
3.	2	3	2	3	2
4.	3	2	2	2	2
Average	2.75	2.5	2.25	2.75	2.5

**UNITS**

G.B. Shaw: *Saint Joan*  
W.B. Yeats: Selected Poems



**PAPER: XII Indian Writing in English I**

**Course Objectives:** To expose the students to the artistic and innovative writings of Indian English Writers

**Paper Specific Objectives:**

1	To introduce students to major movements and figures of Indian Writing in English through the study of select literary texts
2	To develop an ability among students to read critically the prescribed texts and understand the broader implications
3	Enabling them to interpret the works of great writers of Indian Writing in English
4	Helping them to trace the development of the history of Indian Writing in English from its beginning to the present day
5	Demonstrate through discussion an understanding of significant cultural and societal issues presented in Indian English Literature

**CO-PO Mapping Matrix**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	3	3	3	3	3	3	3	3	3	3
2	3	3	3	2	2	3	2	3	2	2
3	3	2	3	3	2	2	3	3	2	3
4	3	3	2	3	3	2	2	3	3	3
5	3	2	3	2	3	3	3	2	3	3
Average	3	2.6	2.8	2.6	2.6	2.6	2.6	2.8	2.6	2.8

**CO-PSO Mapping Matrix for Course Code: EHH-XII**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
1	3	3	3	3	3
2	3	3	3	2	3
3	3	2	3	3	2
4	2	2	2	2	3
5	3	3	3	3	3

Average	2.8	2.6	2.8	2.6	2.8
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**UNITS**

Nissim Ezekiel: 'Enterprise', 'Poet, Lover, Birdwatcher', 'Poem of the Separation', 'Background, Casually', 'Philosophy'  
 Girish Karnad: *Hayavadana*

**PAPER: XIII MODERN WORLD LITERATURE I**

**Course Objectives:** 1. To make the students aware of the social, cultural and literary background and works.  
 2. To make the students familiar with the authors, their works and how their imagination was shaped by the contemporary milieu.

**Course Outcomes:** 1. The students will be able to analyse the works of the age with critical bent of mind.

**CO-PO Mapping Matrix for Course Code: EHH-XIII**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
	3	3	3	3	3	3	2	2	2	2	2
	2	3	3	2	3	3	2	2	2	2	2
	2	3	3	2	3	3	2	2	2	2	2
	2	3	3	2	3	2	2	2	2	2	2
Average	2.25	3	3	2.25	3	2.75	2.25	2.25	2.25	2.25	2.25

**CO-PSO Mapping Matrix for Course Code: EHH-XIII**

COs#	PS01	PSO2	PS03	PS04	PS05
	3	3	3	3	2
	3	3	3	3	3
	3	3	3	3	3
	3	3	3	3	2
Average	3	3	3	3	2.50

## UNITS

“Modernism and Post-modernism”, “Feminist Criticism” by M.H. Abrams

“On the Abolition of English Department” by Ngugi Wa Thiong, “Minute on English Education” by Thomas B. Macaulay, “Interrogating Post-Colonialism” by Meenakshi Mukharjee

Selected Poems from *Texts and their Worlds*

## Semester- Sixth

### Paper: XIV Modern British Literature II

**Course Objectives:** The Aim of this course is to introduce the students to the two celebrated British Writers of the Modern Age i.e. T.S. Eliot and Aldous Huxley.

**Course Outcomes:** At the end of this course, the students will be able to:

1. Understand Human Relationships in modern age.
2. Identify and analyze the problems of emerging social contexts.
3. Understand the significance of their social responsibilities.
4. Develop proficiency for a better Human

### CO-PO Mapping Matrix for Course Code: EHH-XIV

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1.	2	3	2	3	2	3	2	3	3	3
2.	3	3	2	3	3	3	2	3	2	2
3.	2	2	2	2	3	3	2	2	2	3
4.	2	2	2	3	2	2	2	2	2	2
Average	2.25	2.5	2	2.75	2.5	2.75	2	2.5	2.25	2.25

CO-PSO Mapping Matrix for Course Code: EHH-XIV					
COs	PSO1	PSO2	PSO3	PSO4	PSO5
1.	3	2	2	3	3

2.	3	3	3	3	3	
3.	2	3	2	3	2	
4.	3	2	2	2	2	
Average	2.75	2.5	2.25	2.75	2.5	

### UNITS

“The Love Song of J. Alfred Prufrock”, “Portrait of a Lady” by T.S. Eliot  
*Brave New World* by Aldous Huxley

### PAPER: XV Indian Writing in English II

**Course Objectives:** Acquainting the students with the important Indian Writers in English and their works

**Paper Specific Objectives:**

1	To introduce students to major movements and figures of Indian Writing in English through the study of select literary texts
2	To develop an ability among students to read critically the prescribed texts and understand the broader implications
3	Enabling them to interpret the works of great writers of Indian Writing in English
4	Helping them to trace the development of the history of Indian Writing in English from its beginning to the present day
5	Demonstrate through discussion an understanding of significant cultural and societal issues presented in Indian English Literature

### UNITS

Kamala Das: Selected Poems  
R K Narayan: *The Financial Expert*

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	3	3	3	3	3	3	3	3	3	3
2	3	3	3	2	2	3	2	3	2	2
3	3	2	3	3	2	2	3	3	2	3
4	3	3	2	3	3	2	2	3	3	3
5	3	2	3	2	3	3	3	2	3	3
Average	3	2.6	2.8	2.6	2.6	2.6	2.6	2.8	2.6	2.8

**CO-PSO Mapping Matrix for Course Code: EHH-XV**

COs#					
1	3	3	3	3	3
2	3	3	3	2	3
3	3	2	3	3	2
4	2	2	2	2	3
5	3	3	3	3	3
Average	2.8	2.6	2.8	2.6	2.8

**PAPER: XVI MODERN WORLD LITERATURE II**

**Course Objectives:** 1. To make the students aware of the social, cultural and literary background of the restoration period from 1901-1950.  
2. To make the students familiar the students with the authors, their works and how their imagination was shaped by the contemporary milieu.

**Course Outcomes:** 1. The students will be able to analyse the works of the age with critical bent of mind.

**CO-PO Mapping Matrix for Course Code: EHH-XVI**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
	3	3	3	3	3	3	2	2	2	2	2
	2	3	3	2	3	3	2	2	2	2	2
	2	3	3	2	3	3	2	2	2	2	2
	2	3	3	2	3	2	2	2	2	2	2
Average	2.25	3	3	2.25	3	2.75	2.25	2.25	2.25	2.25	2.25

**CO-PSO Mapping Matrix for Course Code: EHH-XVI**

COs#	PS01	PSO2	PS03	PS04	PS05
	3	3	3	3	2
	3	3	3	3	3
	3	3	3	3	3
	3	3	3	3	2
Average	3	3	3	3	2.50

**UNITS**

“The Guest” by Albert Camus, “The Greatcoat” by Nikolai Gogol

“The Handsomest Man in the World: A Tale for Children” by Gabriel Garcia Marquez, “Once Upon a Time” by Nadine Gordimer

*Things Fall Apart* by Chinua Achebe



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# **Department of English**

Course Specific Outcomes  
&  
Programme Specific Outcomes

## **For Communication Skills Course**

## BCA-115: Communication Skills

Type:  
Course Credit:  
Contact Hours: 04 hrs/week  
Examination Duration: 03 hrs  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 28  
Internal Maximum Marks: 20  
Total Maximum Marks: 100  
Total Pass Marks: 35

### Instructions To Paper Setter For End Semester Exam:

**Course Objectives:** This course helps the students to know, improve and develop the most important attribute of a person: their personality and communication skills and sensitizes them to literature.

**Course Outcomes:** At the end of the course, the students will be able to:

Unit I:

- To develop the student's ability to use English language accurately and effectively by enhancing their communication skills.
- To stimulate students to the cultural, social and aesthetic aspects of literature.
- To develop in the learners an appreciation of the subtle nuances of literary expression.

Unit II:

- To enable the learners to revalue literature as cultural and communicative events.
- To improve the learners' use of language in various ways as a means of subjective expression.

### CO-PO Mapping Matrix for Course Code:

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Unit I	3	3	3	3	3	3	3	3	3	2
Unit II	3	2	3	2	2	2	3	2	2	3
Average	3	2.5	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5

### CO-PSO Mapping Matrix for Course Code:

COs#				
Unit I	3	3	3	3
Unit II	3	2	3	3
Average	3	2.5	3	3

## Syllabus

### UNIT-I (Reflections (Text Book))

1. Training of the spirit
2. The pleasure of ignorance
3. What animals think of man
4. My educational outlook
5. Grief



6. The verger
7. Old Bapu
8. Ranji's wonderful bat
9. Rory aforesaid
10. Day of atonement

UNIT-II

Faxes, E-mails, Text messages composing

UNIT-III


Articles, Prepositions, Tenses, Subject Verb Agreement, Voices Tag Questions, Reported Speech, Comparative & Superlatives  
Paragraph Writing

UNIT-IV

Official Letters/Application's

UNIT-V

RTI Act, 2005

  
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# **Department of English**

Course Specific Outcomes  
&  
Programme Specific Outcomes

## **For Personality Development Course**

## BCA-125: Personality Development

Type:  
Course Credit:  
Contact Hours: 04 hrs/week  
Examination Duration: 03 hrs  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 28  
Internal Maximum Marks: 20  
Total Maximum Marks: 100  
Total Pass Marks: 35

### Instructions To Paper Setter For End Semester Exam:

**Course Objectives:** This course is to impart to the students the meaning of personality, essence of hygiene, developing self, developing communication competence, presentation skills related to group discussion, interviews & workplace success.

**Course Outcomes:** At the end of the course, the students will be able to:

#### Unit I

1. Understand the concept of effective communication in a corporate world
2. Acquaint with more effective written communication

#### Unit II

1. Master in the art of a professional business presentation
2. Distinguish different communication process and its practical application

### CO-PO Mapping Matrix for Course Code:

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Unit I.1	2	3	2	3	3	3	3	3	3	2
Unit I.2	3	2	3	3	2	3	3	3	3	3
Unit II.1	2	2	3	2	2	3	2	2	2	3
Unit II.2	3	3	2	3	3	3	3	3	3	3
Average	2.5	2.5	2.5	2.75	2.5	3	2.75	2.75	2.75	2.75


### CO-PSO Mapping Matrix for Course Code:

COs#	PSO1	PSO2	PSO3	PSO4
Unit I.1	3	3	3	3
Unit I.2	3	3	3	3
Unit II.1	3	2	3	2
Unit II.2	3	3	3	3
Average	3	2.75	3	2.75

## Syllabus

1. Personality
2. Deranged Personality
3. Personality Analysis
4. Personal Grooming
5. Body Language
6. Art of Good Conversation

7. Art of Intelligent Listening
8. Interpersonal Skills and Role Playing
9. Team Behaviour
10. Group Discussion
11. Presentation Skills and Seminar Skills
12. Interview Preparation

  
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# **Department of Hindi**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

# DYAL SINGH COLLEGE, KARNAL

Name of the Programme : Bachelor of Arts

Duration: 3 Years (06 Semesters)

Subject: Hindi

PROGRAMME OUTCOMES (POs)	
PO1	Student seeking admission for B.A.. programme is expected to imbue with following quality which helps them in their future life to achieve the expected Goals.
PO2	Ability to communicate effectively on general and Literature topics with the society at large.
PO3	Study the literature and acquire linguistic skills in English, Punjabi & Hindi.
PO4	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
PO5	Know the concept of Society, its structures, problems and social institution
PO6	To prepare the students with skills to analyze the concept and different theories of Hindi literature and language
PO7	Imbibe the effective communication in both mediums of expression (oral and writing).
PO8	Continue to acquire relevant knowledge and skills appropriate to professional activities.
PO9	Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges.
PO10	Responsible and dutiful citizen.
PO11	Sense of social service.

PROGRAMME SPECIFIC OUTCOMES (PSOs)	
PSO1	To understand the basic concept and subject of Hindi & its origin
PSO2	Understanding the relation between society and literature and analyse the role played by Hindi literature in past and present.
PSO3	Developing philosophy of life inspiring by the vision of eminent writers.
PSO4	Developing skill of writing poems, official letters and essays.
PSO5	To make a attempt in different area and theory such as vocabulary and vice versa.
PSO6	To know about Hindi literature its roots cause perspectives and methods.
PSO7	Evaluating the concept of Hindi from past to present and making the society more closely through literature.
PSO8	To nurture analytical qualities or skills, thinking power, creativity through assignments.

**Semester 1<sup>st</sup>**

**BA-HI21: HINDI (Compulsory)**

**Course Objective:** The main aim of this course is to increase the knowledge of literature review, which will help to improve the human values in students and also improve the writing skills.

**COURSE OUTCOMES**

At the end of this course, the student will be able to:

<b>B.A. HI 21.1</b>	Know <i>Bhakti Kaaleen Hindi Kavya</i> or <i>medieval Poetry</i>
<b>B.A. HI 21.2</b>	Increase vision regarding literary values
<b>B.A. HI 21.3</b>	Understand the role played by the poets in social reforms.
<b>B.A. HI 21.4</b>	Describe the philosophy of patriotism as well as poems of <i>Bhakti Kaleen poets i.e Kabirdas, Soordas etc.</i>
<b>B.A. HI 21.4</b>	Understand the importance of translation and terminology.

<b>CO-PO Mapping Matrix for Course Code-B.A. (Hindi) HI 21</b>											
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
B.A. HI 21.1	3	3	3	2	3	3	3	3	3	2	3
B.A. HI 21.2	2	3	3	2	2	2	2	2	3	2	3
B.A. HI 21.3	3	2	3	3	3	3	2	3	3	3	2
B.A. HI 21.4	3	3	3	3	3	3	2	3	3	3	2
B.A. HI 21.5	2	2	3	2	2	3	3	3	3	3	3
Average	2.6	2.6	3	2.4	2.6	2.8	2.4	2.8	3	2.6	2.6

<b>CO-PSO Mapping Matrix for Course Code-B.A (Hindi) HI 21</b>								
PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
B.A. HI 21.1	3	3	2	3	2	3	3	2
B.A. HI 21.2	2	3	2	3	2	3	3	3
B.A. HI 21.3	3	3	2	3	3	3	3	2
B.A. HI 21.4	2	3	3	3	3	3	3	3
B.A. HI 21.5	3	2	3	3	3	2	3	2
Average	2.6	2.8	2.4	3	2.6	2.8	3	2.4

## Semester 2nd

### BA-HI22: HINDI (Compulsory)

**Course Objective:** The main aim of this course is to increase the knowledge of literature review, which will help to improve the human values in students and also improve the writing skills.

### COURSE OUTCOMES

At the end of this course, the student will be able to:

<b>B.A. HI 22.1</b>	Understand the Indian Culture (Human Values)
<b>B.A. HI 22.2</b>	Increase vision regarding literary values
<b>B.A. HI 22.3</b>	Understand the different modes of writing- one act play, essay and letter writing
<b>B.A. HI 22.4</b>	Describe the Indian philosophy through one act play (Historical Characters and Context).
<b>B.A. HI 22.5</b>	Know the critical analysis of Hindi Natak Sahitya

<b>CO-PO Mapping Matrix for Course Code-B.A. (Hindi) HI 22</b>											
<b>PO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>B.A. HI 22.1</b>	3	3	3	2	3	3	3	3	3	2	3
<b>B.A. HI 22.2</b>	3	2	2	3	3	3	3	2	3	2	3
<b>B.A. HI 22.3</b>	3	2	3	3	3	3	2	3	2	2	3
<b>B.A. HI 22.4</b>	3	3	3	3	3	3	2	3	3	3	2
<b>B.A. HI 22.5</b>	2	2	3	2	2	3	3	3	3	3	3
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>

<b>CO-PSO Mapping Matrix for Course Code-B.A (Hindi) HI 22</b>								
<b>PSO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>
<b>B.A. HI 22.1</b>	3	3	2	3	2	3	3	2
<b>B.A. HI 22.2</b>	3	3	3	2	3	2	2	2
<b>B.A. HI 22.3</b>	3	3	2	2	3	3	3	2
<b>B.A. HI 22.4</b>	2	3	3	3	3	3	3	3
<b>B.A. HI 22.5</b>	3	2	3	3	3	2	3	3
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>2.4</b>



## Semester: 03

**Course Objective:** The main aim of this course is to explore to the students the main ethics of Hindi poetry and Literature of Ritikaal and paryojanmoolak Hindi.

### COURSE OUTCOMES

At the end of this course, the student will be able to:

<b>B.A. HI 23.1</b>	Introduce poets through modern poetry
<b>B.A. HI 23.2</b>	Understand Hindi literature in the context of Ritikaal
<b>B.A. HI 23.3</b>	Understand the different modes of writing, essay, and letter writing
<b>B.A. HI 23.4</b>	Understand the Indian Culture (Human Values)

CO-PO Mapping Matrix for Course Code-B.A. (Hindi) HI 23											
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>B.A. HI 23.1</b>	3	3	3	2	3	3	3	3	3	2	3
<b>B.A. HI 23.2</b>	3	2	2	3	3	3	3	2	3	2	3
<b>B.A. HI 23.3</b>	3	2	3	3	3	3	2	3	2	2	3
<b>B.A. HI 23.4</b>	3	3	3	3	3	3	2	3	3	3	2
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>

CO-PSO Mapping Matrix for Course Code-B.A (Hindi) HI 23								
PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
<b>B.A. HI 23.1</b>	3	3	2	3	2	3	3	2
<b>B.A. HI 23.2</b>	3	3	3	2	3	2	2	2
<b>B.A. HI 23.3</b>	3	3	2	2	3	3	3	2
<b>B.A. HI 23.4</b>	2	3	3	3	3	3	3	3
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>2.4</b>

## Semester: 04

**Course Objective:** The main objective of this course is to increase the knowledge of Indian Culture (Human Values) through Prose Literature –Short Stories.

### COURSE OUTCOMES

At the end of this course, the student will be able to:

<b>B.A. HI 24.1</b>	Understand the concept of (text base) Short Stories in Kathaakaram Edited by Dr. Rohini Aggarwal.
<b>B.A. HI 24.2</b>	Understand about rich Indian Culture (Human Values) through Hindi Novels, Plays, Essays, and Short Stories.
<b>B.A. HI 24.3</b>	Understand the various aspects of Social Psychology through Literature.
<b>B.A. HI 24.4</b>	Increase Vision regarding Literary values.

CO-PO Mapping Matrix for Course Code-B.A. (Hindi) HI 24											
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>B.A. HI 24.1</b>	3	3	3	2	3	3	3	3	3	2	3
<b>B.A. HI 24.2</b>	3	2	2	3	3	3	3	2	3	2	3
<b>B.A. HI 24.3</b>	3	2	3	3	3	3	2	3	2	2	3
<b>B.A. HI 24.4</b>	3	3	3	3	3	3	2	3	3	3	2
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>

CO-PSO Mapping Matrix for Course Code-B.A (Hindi) HI 24								
PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
<b>B.A. HI 24.1</b>	3	3	2	3	2	3	3	2
<b>B.A. HI 24.2</b>	3	3	3	2	3	2	2	2
<b>B.A. HI 24.3</b>	3	3	2	2	3	3	3	2
<b>B.A. HI 24.4</b>	2	3	3	3	3	3	3	3
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>2.4</b>

## Semester: 05

**Course Objective:** This course throws light on the poetry of Agay, Dharamveer Bharti, Naresh Mehta, Nagarjun, Raghuvir Sahay who are representatives of Indian sensibility.

### COURSE OUTCOMES

At the end of this course, the student will be able to:

<b>B.A. HI 25.1</b>	Acquaint with feministic perspectives explored by different Indian writers
<b>B.A. HI 25.2</b>	Perceive the picture of Indian society during pre-independence and post-independence era
<b>B.A. HI 25.3</b>	Be familiar with epical works imbued with Indian philosophical aspects
<b>B.A. HI 25.4</b>	Increase Vision regarding Literary values.

CO-PO Mapping Matrix for Course Code-B.A. (Hindi) HI 25											
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>B.A. HI 25.1</b>	3	3	3	2	3	3	3	3	3	2	3
<b>B.A. HI 25.2</b>	3	2	2	3	3	3	3	2	3	2	3
<b>B.A. HI 25.3</b>	3	2	3	3	3	3	2	3	2	2	3
<b>B.A. HI 25.4</b>	3	3	3	3	3	3	2	3	3	3	2
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>

CO-PSO Mapping Matrix for Course Code-B.A (Hindi) HI 25									
PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
<b>B.A. HI 25.1</b>	3	3	2	3	2	3	3	2	
<b>B.A. HI 25.2</b>	3	3	3	2	3	2	2	2	
<b>B.A. HI 25.3</b>	3	3	2	2	3	3	3	2	
<b>B.A. HI 25.4</b>	2	3	3	3	3	3	3	3	
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>2.4</b>	

## Semester: 06

**Course Objective:** This paper throws light on the essays of Bal Mukund Gupt, Ramchander Shukal, Mahadevi Verma, Hazari Prasad divedi, Vidya Niwas Mishra, Hari Shakar Parsai and Rahul Sankritiyan who are representatives of Indian sensibility.


### COURSE OUTCOMES

At the end of this course, the student will be able to:

<b>B.A. HI 26.1</b>	Acquaint with feministic perspectives explored by different Indian writers
<b>B.A. HI 26.2</b>	Perceive the picture of Indian society during pre-independence and post-independence era
<b>B.A. HI 26.3</b>	Be familiar with epical works imbued with Indian philosophical aspects
<b>B.A. HI 26.4</b>	Increase Vision regarding Literary values.

CO-PO Mapping Matrix for Course Code-B.A. (Hindi) HI 26											
PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>B.A. HI 26.1</b>	3	3	3	2	3	3	3	3	3	2	3
<b>B.A. HI 26.2</b>	3	2	2	3	3	3	3	2	3	2	3
<b>B.A. HI 26.3</b>	3	2	3	3	3	3	2	3	2	2	3
<b>B.A. HI 26.4</b>	3	3	3	3	3	3	2	3	3	3	2
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>2.8</b>

CO-PSO Mapping Matrix for Course Code-B.A (Hindi) HI 26									
PSO \ CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
<b>B.A. HI 26.1</b>	3	3	2	3	2	3	3	2	
<b>B.A. HI 26.2</b>	3	3	3	2	3	2	2	2	
<b>B.A. HI 26.3</b>	3	3	2	2	3	3	3	2	
<b>B.A. HI 26.4</b>	2	3	3	3	3	3	3	3	
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.6</b>	<b>2.6</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>2.4</b>	

  
Principal  
Dyal Singh College  
KARNAL

# **Department of Geography**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

**DYAL SINGH COLLEGE, KARNAL**  
**Department of Geography**

**Name of the Programme : Bachelor of Arts (Geography)**  
**Duration : Three Years**

**Program Outcomes (PO) with Graduate Attributes**

Programme outcomes are attributes of the graduates from the programme that are indicative of the graduates' ability and competence to work after being a qualified professional geographer upon graduation. Program outcomes are statements that describe what students are expected to know or do by the time of graduation, they must relate to knowledge and skills that the students acquire from the programme. The achievement of all outcomes indicates that the student is well prepared to achieve the program educational objectives down the road. The department of geography has the following eleven PO's. The course syllabi and the overall curriculum have been designed to achieve these outcomes:

<b>PO1</b>	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
<b>PO2</b>	Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
<b>PO3</b>	Problem Solving	Capability of applying knowledge to solve scientific and other problems.
<b>PO4</b>	Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
<b>PO5</b>	Investigation of Problems	Ability of critical thinking, analytical reasoning and research-based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
<b>PO6</b>	Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices.
<b>PO7</b>	Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.
<b>PO8</b>	Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life.
<b>PO9</b>	Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development.
<b>PO10</b>	Ethics	Apply ethical principles and professional responsibilities in scientific practices.

<b>PO11</b>	Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects.
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### **Program Specific Outcomes (PSO's):**

The objective of the curriculum designed for BA Geography is to nurture the geographical aptitude of students for improving their skills, inculcating values and produce young geographers who would contribute in the areas of regional and national planning, development, environment, ethics and sustainable environment development. Hence, the department of geography has the following four PSO's. The overall curriculum have been designed to achieve these specific outcomes:

<b>PSO1</b>	Basic understanding of fundamental concepts of geography as an earth science.
<b>PSO2</b>	Clearly formulate and solve real life challenges with respect to human environment interactions.
<b>PSO3</b>	Applications of fundamental principles of geography for the betterment of human society.
<b>PSO4</b>	Acquisition of skills to effectively communicate the knowledge of geography to the society for safe guarding the physical environment.

### Scheme of Examinations for B.A Geography

Paper Code	Nomenclature of the Paper	Int. Asse.	Ext. Asse.	Maximum Marks	Total Marks	Time
<b>Semester-I</b>						
101	Geography of India	20	50	70	70	3 Hours
<b>Semester-II</b>						
103	Physical Geography-I	20	50	70	70	3 Hours
102 & 104	Maps, Scales and Representation of Physical Features (Practical)	-	-	60	60	3 Hours
<b>Semester-III</b>						
201	Physical Geography-II	20	50	70	70	3 Hours
<b>Semester-IV</b>						
203	Human Geography	20	50	70	70	3 Hours
202 & 204	Representation of climatic Data & Map Projections (Practical)			60	60	3 Hours
<b>Semester-V</b>						
301	Economic Geography	20	50	70	70	3 Hours
<b>Semester-VI</b>						
303	Introduction to Remote Sensing, GIS and Quantitative Methods	20	50	70	70	3 Hours
302 & 304	Distribution Maps, Diagrams, Remote Sensing and Field Survey Report (Practical)			60	60	3 Hours

Int. Asse. = Internal Assessment

Ext. Asse. = External Assessment



## Paper 101 Geography of India

**Maximum Marks : 70**  
**External Assessment: 50**  
**Internal Assessment: 20**  
**Time : 3 Hours**

**Course Objectives:** The main aim of this course is to provide the introductory background about the geographical structures, demographical aspects, resource distribution and spatial pattern of industries in India.

**Course Outcomes (COs):** At the end of this course, the course provides the following outcomes:

- Paper 101.1:** Provides understanding about the physical structure of India.  
**Paper 101.2:** Enrichment of understanding about the human resource endowment.  
**Paper 101.3:** Acquaintance with geographical distribution of major resources.  
**Paper 101.4:** Enhancement of knowledge about spatial distribution of industries, transport and communication.

### Note for Paper Setters:

Question 1 is compulsory comprising of six sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

### SECTION- A

1. India: Location, relief structure and drainage systems.
2. Climate, soils, natural vegetation, and natural disasters in India.

### SECTION-B

3. Population: distribution, density, growth and composition.
4. Migration, human settlement types and levels of urbanization.

### SECTION-C

5. Land resources, irrigation, regional variations in cropping pattern, Green revolution and problems of Indian agriculture.
6. Energy and mineral resources: coal, petroleum, hydroelectricity and nuclear energy, iron ore, manganese and mica.

### SECTION-D

7. Industries- iron and steel, cotton textile, sugar and petrochemical industries; and industrial regions of India.
8. Modes of transport and communication, international trade changing pattern of export and import.

### Suggested Readings

1. Deshpande, C D: India-A Regional Interpretation, Northern Book Depot, New Delhi, 1992.
2. Singh, Gopal: Geography of India, Atma Ram and Sons, 2006.

3. Shafi, M: Geography of South Asia, McMillan and Company, Calcutta, 2000.
4. Singh, RL (ed): India : A Regional Geography, National Geographical Society, India, Varanasi, 1971.
5. Spate, DHK and ATA Learmonth : Indian and Pakistan – Land, People and Economy, Methnen and Company, London, 1967.

**Mapping of Course Outcomes to Program Outcomes (Geography of India)**

<b>COs/POs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>Paper 101.1</b>	3.0	3.0	1.0	1.0	2.0	1.0	2.0	3.0	3.0	1.0	2.0
<b>Paper 101.2</b>	3.0	3.0	2.0	2.0	2.0	1.0	3.0	3.0	3.0	2.0	3.0
<b>Paper 101.3</b>	3.0	2.0	2.0	1.0	3.0	1.0	2.0	3.0	3.0	1.0	2.0
<b>Paper 101.4</b>	3.0	2.0	2.0	2.0	3.0	2.0	3.0	3.0	2.0	1.0	2.0
<b>Average</b>	3.0	2.5	1.8	1.5	2.5	1.3	2.5	3.0	2.8	1.3	2.3

**Mapping of Course Outcomes to Program Specific Outcomes (Geography of India)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 101.1</b>	3.0	2.0	3.0	2.0
<b>Paper 101.2</b>	3.0	3.0	3.0	3.0
<b>Paper 101.3</b>	3.0	2.0	3.0	2.0
<b>Paper 101.4</b>	3.0	3.0	3.0	2.0
<b>Average</b>	3.0	2.5	3.0	2.5

## Paper 103 Physical Geography-I

**Maximum Marks : 70**  
**External Assessment: 50**  
**Internal Assessment: 20**  
**Time : 3 Hours**

**Course Objectives:** The aim of this course is to provide knowledge about the basics of geomorphology.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 103.1:** Provides knowledge about the basics of physical geography

**Paper 103.2:** Enrichment of knowledge about tectonic activities.

**Paper 103.3:** Enhancement of knowledge about processes controlling weathering and mass movement

**Paper 103.4:** Provides ability to understand the processes and patterns of erosion.

### **Note for Paper Setters:**

Question 1 is compulsory comprising of six sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

### **SECTION- A**

1. Definition, Nature, scope and fields of Physical Geography.
2. Interior of the earth, Geological time scale and rocks.

### **SECTION- B**

3. Earth movements; organic, eperogenic, earth quakes and volcanoes.
4. Theory of Isostasy; Wegner's theory of continental drift and Plate tectonic theory.

### **SECTION- C**

5. Weathering; causes and its types.
6. Mass-movements; causes, its types and impacts.

### **SECTION- D**

7. Concept of cycle of erosion; cycle of erosion by W.M. Davis and
8. Process of Wind, River, Underground water, Glaciers and Sea waves.

### **Suggested Readings**

1. Sharma H.S. Perspective in Geomorphology, Concept, New Delhi 1980.
2. Singh Savinder, Geomorphology, Prayag Publication, Allahabad 1998.
3. Singh Savinder, Physical Geography Prayag Publication, Allahabad, 1998.
4. Sparks B.W. Geomorphology, Jojngman, London, 1960.
5. Thornbury W.D. 1969 Principles of Geomorphology, New York, John Wiley & Sons.

### Mapping of Course Outcomes to Program Outcomes (Physical Geography-I)

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>Paper 103.1</b>	3.0	2.0	2.0	1.0	3.0	2.0	2.0	3.0	3.0	1.0	1.0
<b>Paper 103.2</b>	3.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0
<b>Paper 103.3</b>	3.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	2.0	3.0
<b>Paper 103.4</b>	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	1.0	3.0
<b>Average</b>	3.0	2.8	2.8	2.3	3.0	2.3	2.8	3.0	3.0	1.8	2.5

### Mapping of Course Outcomes to Program Specific Outcomes (Physical Geography-I)

COs/PSOs	PSO1	PSO2	PSO3	PSO4
<b>Paper 103.1</b>	3.0	2.0	1.0	1.0
<b>Paper 103.2</b>	3.0	3.0	3.0	3.0
<b>Paper 103.3</b>	3.0	3.0	3.0	3.0
<b>Paper 103.4</b>	3.0	3.0	3.0	3.0
<b>Average</b>	3.0	2.8	2.5	2.5

## Paper 102 & 104 Maps, Scales and Representation of Physical Features (Practical)

**Maximum Marks: 60**

**Time : 3 Hours**

### **Distribution of Marks**

**Exercises = 36**

**Record File = 12**

**Viva-voce = 12**

### **Note for Paper Setters:**

There will be four questions in all and candidate has to attempt three exercises selecting at least from each unit. All questions carry equal marks.

### **Paper 102 Maps & Scale**

**Course Objectives:** The aim of this course is to provide knowledge about the basics of cartographic skills.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 102.1:** Knowledge about cartographic skills.

**Paper 102.2:** Provides understanding about map scales.

**Paper 102.3:** Measurement skills of distances and areas on maps.

**Paper 102.4:** Enhancement of knowledge about enlargement and reduction of maps.

### **UNIT-I**

	Exercises
1. Introduction to Cartography.	
2. Maps and their types.	
3. Map Scales. Exercises	
(i) Methods of Expressing a scale	2
(ii) Conversion of Statement of Scale into R.F. and vice-versa.	1
(iii) Plain Scale (Km and mile)	1
(iv) Comparative Scale	2
(v) Diagonal Scale	2
4. Measurement of Distances and Areas on Maps	2
5. Enlargement and Reduction of Maps	2

### **Paper 104 Representation of Physical Features**

**Course Objectives:** The aim of this course is to provide introductory knowledge about the different types of topographical maps and techniques of relief representation.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 104.1:** Knowledge about different types of topographical maps.

**Paper 104.2:** Provides understanding about methods of relief representation.

**Paper 104.3:** Enhancement of skills of relief representation.

**Paper 104.4:** Knowledge of drawing of landform profiles.

## UNIT-II

<p>1. Introduction to Topographical Sheets.              India and adjacent countries.              Degree Sheet.              Half Degree Sheet.              Quarter Degree Sheet.              Conventional Signs.</p>	<p style="text-align: right;">Exercise 3</p>
<p>2. Methods of representing relief.</p>	<p style="text-align: right;">1</p>
<p>3. Representation of Topographical features by contours.              Slopes (Concave, convex, undulating and terraced).              Valleys (V Shaped, U shaped, Gorge, Re-entrant).              Ridges (Conical hill, Volcanic hill, Plateau, Escarpment).              Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast).</p>	<p style="text-align: right;">4</p>
<p>4. Drawing of Profiles              (a) Cross Profiles: Serial, Superimposed, Projected and                  Composite profiles.              (b) Longitudinal profiles.</p>	<p style="text-align: right;">5</p>

### Suggested Readings

1. FJ Monkhouse and H.R. Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London
2. LR Singh and Raghuvander Singh (1973), Map Work and Practical Geography, Central Book Depot, Allahabad.
3. RI Singh and PK Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad.
4. Singh Gopal (2004) 4<sup>th</sup> edition, Map Work and Practical Geography, Viksa Publication House.

### Mapping of Course Outcomes to Program Outcomes (Maps & Scale)

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>Paper 102.1</b>	3.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	1.0	1.0	1.0
<b>Paper 102.2</b>	3.0	2.0	1.0	1.0	2.0	3.0	2.0	3.0	1.0	1.0	2.0
<b>Paper 102.3</b>	3.0	2.0	2.0	2.0	3.0	3.0	2.0	3.0	1.0	1.0	3.0
<b>Paper 102.4</b>	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	1.0	2.0	3.0
<b>Average</b>	3.0	2.0	1.5	1.5	2.3	2.8	2.0	3.0	1.0	1.3	2.3

**Mapping of Course Outcomes to Program Specific Outcomes  
(Maps & Scale)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 103.1</b>	3.0	1.0	2.0	1.0
<b>Paper 103.2</b>	3.0	1.0	3.0	2.0
<b>Paper 103.3</b>	3.0	2.0	3.0	2.0
<b>Paper 103.4</b>	3.0	3.0	3.0	3.0
<b>Average</b>	3.0	1.8	2.8	2.0

**Mapping of Course Outcomes to Program Outcomes  
(Representation of Physical Features)**

<b>COs/POs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>Paper 104.1</b>	3.0	2.0	1.0	2.0	3.0	2.0	2.0	3.0	1.0	2.0	3.0
<b>Paper 104.2</b>	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	1.0	2.0	3.0
<b>Paper 104.3</b>	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0
<b>Paper 104.4</b>	3.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	3.0
<b>Average</b>	3.0	2.5	2.5	2.5	2.8	2.3	2.3	3.0	1.8	2.0	3.0

**Mapping of Course Outcomes to Program Specific Outcomes  
(Representation of Physical Features)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 104.1</b>	3.0	2.0	3.0	3.0
<b>Paper 104.2</b>	3.0	3.0	3.0	3.0
<b>Paper 104.3</b>	3.0	3.0	3.0	3.0
<b>Paper 104.4</b>	3.0	3.0	3.0	3.0
<b>Average</b>	3.0	2.8	3.0	3.0

## Paper 201 Physical Geography–II

**Maximum Marks : 70**  
**External Assessment: 50**  
**Internal Assessment: 20**  
**Time : 3 Hours**

**Course Objectives:** The main aim of this course is to provide knowledge about the basics of climatology and oceanography.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 201.1:** Provides knowledge about the basics of climatology.

**Paper 201.2:** Enrichment of knowledge about atmospheric circulation and humidity.

**Paper 201.3:** Augmentation of knowledge about weather disturbances.

**Paper 201.4:** Familiarization with the oceanic floor and circulation.

### **Note for Paper Setters:**

Question 1 is compulsory comprising of six sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

### **SECTION- A**

1. Weather and Climate; Origin, composition and structure of atmosphere.
2. Insolation, Global heat budget, Horizontal and vertical distribution of temperature, inversion of temperature.

### **SECTION-B**

3. Atmospheric pressure- measurement and distribution, pressure belts, planetary winds, Monsoon, Jet Streams EL NINO- La Nina Phenomenon and Local winds.
4. Humidity- measurement and variables, evaporation, condensation, precipitation forms and types and distribution, hydrological cycle.

### **SECTION-C**

5. Air masses- concept and classification; Fronts- type and characteristics, Weather disturbances- tropical and extra-tropical cyclones.
6. Climate classification by Koppen; climatic change and global warming.

### **SECTION-D**

7. Configuration of oceanic floors and surface relief of Pacific, Atlantic and Indian Oceans; temperature and salinity of oceans.
8. Tides, waves and oceanic currents; circulation in Pacific, Atlantic and Indian Oceans; Oceanic resources.

### **Suggested Readings**

1. Barry, RG and Chorley R.J., Atmosphere, Weather and Climate, Routledge, 1998.
2. Critchfield, H., General Climatology, Prentice-Hall of India, 2002.
3. King, C. Oceanography for Geographers, Edward Arnold, London, 1975.



4. Trewartha, GT: An Introduction to Climate, Mc-Graw Hill, New York, 1981.
5. Trewartha, G.T., The Earth's Problems Climates, University of Wisconsin Press, USA.

**Mapping of Course Outcomes to Program Outcomes  
(Physical Geography-II)**

<b>COs/POs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>Paper 201.1</b>	3.0	3.0	2.0	2.0	1.0	1.0	2.0	3.0	2.0	1.0	2.0
<b>Paper 201.2</b>	3.0	3.0	2.0	2.0	2.0	1.0	2.0	3.0	2.0	1.0	2.0
<b>Paper 201.3</b>	3.0	3.0	2.0	2.0	2.0	1.0	2.0	3.0	2.0	1.0	2.0
<b>Paper 201.4</b>	3.0	3.0	2.0	2.0	1.0	1.0	2.0	3.0	2.0	1.0	2.0
<b>Average</b>	3.0	3.0	2.0	2.0	1.5	1.0	2.0	3.0	2.0	1.0	2.0

**Mapping of Course Outcomes to Program Specific Outcomes  
(Physical Geography-II)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 201.1</b>	3.0	1.0	1.0	3.0
<b>Paper 201.2</b>	3.0	1.0	1.0	3.0
<b>Paper 201.3</b>	3.0	1.0	1.0	3.0
<b>Paper 201.4</b>	3.0	1.0	1.0	3.0
<b>Average</b>	3.0	1.0	1.0	3.0

## Paper 203 Human Geography

**Maximum Marks: 70**

**External Assessment: 50**

**Internal Assessment: 20**

**Time: 3 Hours**

**Course Objectives:** The main aim of this course is to introduce the fundamentals of human geography and the basics of man environment relationship.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 203.1:** Provides knowledge about the fundamentals of human geography and division of mankind.

**Paper 203.2:** Enrichment of knowledge about the human adaptation and resource classification.

**Paper 203.3:** Familiarization with population attributes.

**Paper 203.4:** Augmentation of knowledge about the settlements, process of urbanization and its impacts.

### **Note for Paper Setters:**

Question 1 is compulsory comprising of six sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

### **SECTION- A**

1. Nature and scope of Human Geography, Branches of Human Geography, Approaches to the study of Human Geography.
2. Division of Mankind: Spatial distribution of race and tribes of India; concept of men environment relation: A historical approach.

### **SECTION-B**

3. Human adaptation to the environment (i) Cold region – Eskimo (ii) Hot region- Bushman (iii) Plateau–Gonds (iv) Mountains–Gujjars
4. Meaning, nature and components of resources; Classification of resources – renewal and non- renewable ; biotic and abiotic, recyclable and non recyclable. Distribution, utilization and conservation of biotic (flora and fauna) and abiotic (water, minerals and energy) resources.

### **SECTION-C**

5. Distribution and density of world population, population growth, fertility and mortality patterns.
6. Concept of over, under and optimum population; Population theories: Malthus, Ricardo and Marx.

### **SECTION-D**

7. Rural settlements: Meaning, classification and types. Urban settlements: Origin, classification and functions of towns.
8. Population pressure, resource use and environment degradation; sustainable development, concept of deforestation, soil erosion, air and water pollution.

## Suggested Readings

1. Agarwal, A et al : The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi, 1999.
2. Alexander, John. W. : Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.
3. Bergwan, Edward E: Human Geography: Culture Connections and Landscape, Prentice-Hall, New Jersey, 1985.
4. Carr, M. Patterns: Process and Change in Human Geography, McMillan Education, London, 1987.
5. Chandna, R.C. : A Geography of Population : Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.
6. DeBlij, H. J. : Human Geography, Culture, Society and Space, John Wiley, New York, 1996.
7. Fellman, J.L. : Human Geography-Landscapes of Human Activities, Brown and Benchman Pub., USA, 1997.
8. Global Environment Outlook: Earthscan, London, 2000.
9. McBride, P.J. Human Geography; Systems Patterns and Change, Nelson, UK and Canada, 1996.
10. Michael, Can: New Patterns : Process and Change in Human Geography, Nelson, 1996.

### Mapping of Course Outcomes to Program Outcomes (Human Geography)

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>Paper 203.1</b>	3.0	2.0	1.0	1.0	2.0	1.0	1.0	3.0	2.0	1.0	1.0
<b>Paper 203.2</b>	3.0	3.0	2.0	1.0	3.0	1.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 203.3</b>	3.0	3.0	2.0	2.0	3.0	1.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 203.4</b>	3.0	3.0	2.0	2.0	3.0	1.0	2.0	3.0	2.0	2.0	2.0
<b>Average</b>	3.0	2.8	1.8	1.5	2.8	1.0	1.5	3.0	2.0	1.8	1.8

### Mapping of Course Outcomes to Program Specific Outcomes (Human Geography)

COs/PSOs	PSO1	PSO2	PSO3	PSO4
<b>Paper 203.1</b>	3.0	2.0	2.0	1.0
<b>Paper 203.2</b>	3.0	2.0	3.0	3.0
<b>Paper 203.3</b>	3.0	2.0	3.0	3.0
<b>Paper 203.4</b>	3.0	2.0	3.0	3.0
<b>Average</b>	3.0	2.0	2.8	2.5

## Paper 202 & 204 Representation of Climatic Data & Map Projections (Practical)

**Maximum Marks: 60**

**Time : 3 Hours**

**Distribution of Marks**

**Exercises = 36**

**Record File = 12**

**Viva-voce = 12**

**Note for Paper Setters:**

There will be four questions in all and candidate has to attempt three exercises selecting at least from each unit. All questions carry equal marks.

### Paper 202 Representation of Climatic Data

**Course Objectives:** The main aim of this course is to introduce the basics about measurement of climatic data and chain and enrichment of surveying skills.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 202.1:** Capability of measurement of climatic data.

**Paper 202.2:** Ability to represent the temperature and rainfall data.

**Paper 202.3:** Development of skill to read and interpret the weather maps.

**Paper 202.4:** Acquaintance with skills of chain and tape survey.

### UNIT-I

	Exercise
1. Measurement of temperature, rainfall, pressure and humidity.	
2. Representation of temperature and rainfall.	
(i) Line and Bar Graph	1
(ii) Distribution of temperature (180 therms)	1
(iii) Distribution of rainfall (180 hytes)	1
(iv) Hythergraph	1
(v) Rainfall deviation diagram	1
3. Climograph (wet and dry places)	2
4. Distribution of pressure (180 bars)	2
5. Weather map Interpretation (January & July)	2
6. Change and tape survey	2

### Paper 204 Map Projections

**Course Objectives:** The aim of this course is to introduce the basics about map projections.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 204.1:** Acquaintance with nature and significance of projections system.

**Paper 204.2:** Augmentation of skills to make cylindrical and conical projections.

**Paper 204.3:** Capability to construct zenithal and world map projections.

**Paper 204.4:** Enrichment of surveying skills using plane table.

## UNIT-II

1. Introduction to Map Projection: Meaning, Classification and importance; Characteristics of latitudes and longitudes lines.	Exercise
2. Cylindrical projections: Characteristics, applications and drawing: (i) Simple cylindrical projection (ii) Cylindrical equal area projection. (iii) True shape or orthomorphic or Mercator's Projection.	3  5
3. Conical Projections: Characteristics, applications and drawing. (i) Simple conical projections with one standard parallel (ii) Simple conical projection with two standard parallel (iii) Bonne's Projection (iv) Polyconic projection. (v) International Map Projection.	5
4. Zenithal Projections: Characteristics, applications and drawing. (i) Polar Zenithal Equidistant Projection. (ii) Polar Zenithal Equal Area Projection (iii) Polar Zenithal Gnomonic Projection (iv) Polar Zenithal Stereographic Projection. (v) Polar Zenithal Orthographic Projection	5
5. Characteristics, applications and drawings of (i) Sinosoidal (ii) Mollweide Projections.	2
6. Plane Table Survey.	2

### Suggested Readings

1. Mishra R.P. and Ramesh A. 1999. Fundamentals of Cartography, Concept Publishing Company, New Delhi.
2. Robinson, A.H. et.al. Elements of Cartography, John Wiley & Sons, 1995.
3. Khan, A.A. 1996. Text Book of Practical Geography, Concept, New Delhi,.
4. Lawrence, G.P. 1968. Cartographic Methods, Methuen, London,.
5. Monkhouse, F.J. and Wilkinson, H.R. 1994. Maps and Diagrams, Methuen, London,
6. Sarkar, A.K. 1997: Practical Geography-A Systematic Approach, Orient Longman, Calcutta,.
7. Steers, J.B. Map Projections; University of London Press, London.

### Mapping of Course Outcomes to Program Outcomes (Representation of Climatic Data)

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>Paper 202.1</b>	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 202.2</b>	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 202.3</b>	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 202.4</b>	3.0	2.0	1.0	3.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0
<b>Average</b>	3.0	2.8	2.0	2.3	1.8	2.0	1.8	2.5	1.8	1.8	1.8

**Mapping of Course Outcomes to Program Specific Outcomes  
(Representation of Climatic Data)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 202.1</b>	3.0	2.0	2.0	3.0
<b>Paper 202.2</b>	3.0	3.0	3.0	3.0
<b>Paper 202.3</b>	3.0	3.0	3.0	3.0
<b>Paper 202.4</b>	2.0	2.0	2.0	2.0
<b>Average</b>	2.8	2.5	2.5	2.8

**Mapping of Course Outcomes to Program Outcomes  
(Map Projections)**

<b>COs/POs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>Paper 204.1</b>	3.0	1.0	3.0	2.0	1.0	3.0	3.0	3.0	1.0	1.0	1.0
<b>Paper 204.2</b>	3.0	2.0	3.0	2.0	1.0	3.0	3.0	3.0	1.0	1.0	1.0
<b>Paper 204.3</b>	3.0	1.0	3.0	2.0	2.0	3.0	3.0	3.0	1.0	2.0	1.0
<b>Paper 204.4</b>	3.0	2.0	3.0	3.0	1.0	2.0	3.0	3.0	1.0	2.0	1.0
<b>Average</b>	3.0	1.5	3.0	2.3	1.3	2.8	3.0	3.0	1.0	1.5	1.0

**Mapping of Course Outcomes to Program Specific Outcomes  
(Map Projections)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 204.1</b>	3.0	2.0	2.0	3.0
<b>Paper 204.2</b>	3.0	3.0	2.0	3.0
<b>Paper 204.3</b>	3.0	3.0	3.0	3.0
<b>Paper 204.4</b>	3.0	3.0	3.0	3.0
<b>Average</b>	3.0	2.8	2.5	3.0

## Paper 301 Economic Geography

**Maximum Marks : 70**  
**External Assessment: 50**  
**Internal Assessment: 20**  
**Time : 3 Hours**

**Course Objectives:** The aim of this course is to provide knowledge about the basics concepts of economic geography.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 301.1:** Provides knowledge about the fundamental concepts of economic geography.

**Paper 301.2:** Acquisition of knowledge about resources and their conservation.

**Paper 301.3:** Enrichment of knowledge about distribution of crops, minerals and energy resources.

**Paper 301.4:** Acquaintance with global industries, transport, communication and trade.

### **Note for Paper Setters:**

Question 1 is compulsory comprising of six sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

### **SECTION- A**

1. Nature, scope and relationship of economic geography with economics and other branches of social sciences.
2. Classification of economic activities and their impact on environment.

### **SECTION-B**

3. World natural resources: Types, bases and classification.
4. Conservation and utilization of natural resources.

### **SECTION-C**

5. Spatial distribution of food (rice and wheat), commercial (cotton and sugarcane) and plantation crops (tea, rubber and coffee).
6. Classification of mineral resources (ferrous and non-ferrous), distribution and production of coal, iron ore, petroleum and natural gas.

### **SECTION-D**

7. Classification of industries, world distribution and production of iron and steel and textile industry, major industrial complexes of the world.
8. Transport, communication and trade: geographical factors in their development, major modes of water, land and air transport, recent trends in international trade.

### **Suggested Readings**

1. Hartshorne TN and Alexander JW. 1988. Economic Geography, Prentice Hall,

New Delhi.

2. Jones CF and Darkenwald GG. 1975. Economic Geography. McMillan Company, New York
3. Thomas, RS. 1962. The Geography of Economic Activities. McGraw Hill, New York.
4. Wheeler J et al. 1995. Economic Geography. John Wiley, New York.

#### **Mapping of Course Outcomes to Program Outcomes (Economic Geography)**

<b>COs/POs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>Paper 301.1</b>	3.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	2.0	2.0	2.0
<b>Paper 301.2</b>	3.0	3.0	3.0	2.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 301.3</b>	3.0	2.0	2.0	2.0	2.0	1.0	2.0	3.0	2.0	2.0	2.0
<b>Paper 301.4</b>	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0
<b>Average</b>	3.0	2.5	2.0	1.8	1.5	1.3	1.8	3.0	2.0	2.0	2.0

#### **Mapping of Course Outcomes to Program Specific Outcomes (Economic Geography)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 301.1</b>	2.0	1.0	2.0	1.0
<b>Paper 301.2</b>	3.0	3.0	3.0	3.0
<b>Paper 301.3</b>	3.0	2.0	3.0	3.0
<b>Paper 301.4</b>	3.0	2.0	3.0	3.0
<b>Average</b>	2.8	2.0	2.8	2.5



## **Paper 303 Introduction to Remote Sensing, GIS & Quantitative Methods**

**Maximum Marks : 70**  
**External Assessment: 50**  
**Internal Assessment: 20**  
**Time : 3 Hours**

**Course Objectives:** The aim of this course is to provide knowledge about the fundamentals concepts of remote sensing, GIS and statistics and their applications.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 303.1:** Provides knowledge about the fundamental concepts of photogrammetry.

**Paper 303.2:** Acquaintance with fundamentals of remote sensing and understanding its applications.

**Paper 303.3:** Understanding the basics and applications of GIS.

**Paper 303.4:** Development of capability to understand the basics of statistics.

### **Note for Paper Setters:**

Question 1 is compulsory comprising of six sub parts spread over entire syllabus (two marks for each sub part), to be answered in 15-20 words. There will be eight long questions, two from each unit. The candidate has to answer four long questions, at least one question from each unit. All questions carry equal marks.

### **SECTION- A**

1. Introduction to Aerial Photographs: their advantages and types.
2. Elements of aerial Photo interpretation.

### **SECTION-B**

3. Introduction to Remote Sensing; Electromagnetic spectrum, stages in remote sensing, type of satellites.
4. Types of Imageries and their application in various fields such as agriculture, environment and resource mapping.

### **SECTION-C**

5. Introduction to Geographical Information System: Definition, purpose, advantages and software and hardware requirements.
6. Application of GIS in various fields of geography.

### **SECTION-D**

7. Measure of Central Tendency: Mean, Median and Mode.
8. Measure of Dispersion: Range, Quartile deviation and Mean deviation, Standard deviation, Coefficient of variation.

### **Suggested Readings**

1. Aslam Mahmood 1993. Statistical Methods in Geographical Studies, Rajesh Publications, New Delhi.
2. John R. Jensen 2009. Remote Sensing of the Environment;, An Earth Resource

- Perspective, Pearson Education, (India Edition) New Delhi,
3. Kumar Meenakshi 2001. Remote Sensing, NCERT, New Delhi,
  4. Lillesand and R.W. Kiefer, 2005. Remote Sensing and Image Interpretation, John Wiley and Sons.
  5. Pritvish Nag, and M. Kudrat 1998. Digital Remote Sensing, Concept Publishing Company, New Delhi.

**Mapping of Course Outcomes to Program Outcomes  
(Introduction to Remote Sensing, GIS & Quantitative Methods)**

<b>COs/POs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>Paper 303.1</b>	3.0	2.0	3.0	2.0	3.0	3.0	2.0	2.0	3.0	2.0	2.0
<b>Paper 303.2</b>	3.0	1.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0
<b>Paper 303.3</b>	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0
<b>Paper 303.4</b>	3.0	3.0	3.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0
<b>Average</b>	3.0	2.3	3.0	2.0	2.8	3.0	2.8	2.5	2.8	2.3	2.5

**Mapping of Course Outcomes to Program Specific Outcomes  
(Introduction to Remote Sensing, GIS & Quantitative Methods)**

<b>COs/PSOs</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>Paper 303.1</b>	3.0	2.0	3.0	3.0
<b>Paper 303.2</b>	3.0	3.0	2.0	3.0
<b>Paper 303.3</b>	3.0	3.0	3.0	3.0
<b>Paper 303.4</b>	3.0	3.0	3.0	3.0
<b>Average</b>	3.0	2.8	2.8	3.0

## **Paper 302 & 304 Distribution Maps, Diagrams, Remote Sensing and Field Survey Report (Practical)**

**Maximum Marks: 60**

**Time : 3 Hours**

### **Distribution of Marks**

**Exercises = 27**

**Record File = 9**

**Viva-voce = 9**

**Field Survey Report = 10**

**Viva-voce = 5**

### **Note for Paper Setters:**

There will be four questions in all and candidate has to attempt three exercises selecting at least from each unit, while unit III is compulsory. All questions carry equal marks.

### **Paper 302 Distribution Maps and Diagrams**

**Course Objectives:** The aim of this course is to provide knowledge about different types of thematic maps and prismatic compass survey.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 302.1:** Knowledge about different types of thematic maps.

**Paper 302.2:** Skill acquisition for construction of qualitative distribution maps.

**Paper 302.3:** Ability to construct quantitative thematic maps.

**Paper 302.4:** Capability to carry out prismatic compass survey.

### **UNIT-I**

	Exercise
1. Principal of map design and layout	
2. Symbolization: point, line and area symbol	
3. Lettering and toponomy	
4. Mechanics of map construction	
5. Distribution maps	
(i) Qualitative distribution maps	
• Choroschematic maps	1
• Chorochromatic maps	2
(ii) Quantitative distribution Maps	
• Isopleth maps	3
• Choropleth maps	3
• Dot maps	3
• Diagrammatic maps	3
6. Prismatic Compass Survey	2

## Paper 304 Remote Sensing

**Course Objectives:** The aim of this course is to familiarize the students with measurements and visualization on aerial photographs and develop the capability to interpret the satellite imageries.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 304.1:** Familiarization with the skill of measurements on aerial photographs.

**Paper 304.2:** Development of art of visualizing 3-D surface on photographs.

**Paper 304.3:** Capability to read and interpret physical and cultural features on photographs.

**Paper 304.4:** Ability to extract features from satellite imageries.

### UNIT-II

1. Demarcation of Principal Point, Conjugate Principal point and Flight line on Aerial Photographs.	Exercise 1
2. Determination of Scale of Aerial Photographs.	1
3. Interpretation of Single Vertical Photographs.	1
4. Use of Stereoscope and Identification of Features.	1
5. Identification of Features on IRSID, LISS III imagery (Mark copy of FCC).	1

## Paper 304 Socio-economic Survey and Report Writing

**Course Objectives:** The aim of this course is to provide knowledge about retrieval, analysis and interpretation of socio-economic field data.

**Course Outcomes (COs):** At the end of this course, the course provide the following outcomes:

**Paper 304.1a:** Makes students confident in handling field situations.

**Paper 304.2b:** Gives opportunity to identify socio-economic problem.

**Paper 304.3c:** Awareness about sampling techniques for data collection in the field.

**Paper 304.4d:** Training of retrieval, analysis and interpretation of socio-economic field data.

### UNIT-III

1. Socio-economic Survey and Report Writing

#### Suggested readings:

1. Mishra RP and Ramesh A. 1999. Fundamentals of Cartography, Concept publishing Company, New Delhi.
2. Monkhouse FJ and Wilkinson HR. 1972. Maps and Diagrams, Methuen Press, London
3. Singh Gopal. 2004. Map Work and Practical Geography, Vikas Publication House, New Delhi.
4. Singh RL. 1979. Elements of Practical Geography, Kalyani Publishers, New Delhi
5. John R. Jensen, Remote Sensing of the Environment; An Earth Resource Perspective, Pearson Education, (India Edition) New Delhi, 2009.
6. Lillesand and R.W.Kiefer, Remote Sensing and Image Interpretation, John Wiley and Sons, 1994.

**Mapping of Course Outcomes to Program Outcomes  
(Distribution Maps and Diagrams)**

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Paper 302.1	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0
Paper 302.2	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	1.0	2.0
Paper 302.3	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	1.0	2.0
Paper 302.4	3.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<b>Average</b>	3.0	2.5	2.5	2.0	2.0	2.0	2.0	2.5	2.0	1.3	2.0

**Mapping of Course Outcomes to Program Specific Outcomes  
(Distribution Maps and Diagrams)**

COs/PSOs	PSO1	PSO2	PSO3	PSO4
Paper 303.1	3.0	2.0	2.0	2.0
Paper 303.2	3.0	2.0	2.0	2.0
Paper 303.3	3.0	2.0	2.0	2.0
Paper 303.4	3.0	1.0	1.0	1.0
<b>Average</b>	3.0	1.8	1.8	1.8

**Mapping of Course Outcomes to Program Outcomes  
(Remote Sensing)**

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Paper 304.1	3.0	2.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	1.0	2.0
Paper 304.2	3.0	2.0	3.0	3.0	3.0	3.0	2.0	3.0	2.0	2.0	2.0
Paper 304.3	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0
Paper 304.4	3.0	2.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0
<b>Average</b>	3.0	2.3	3.0	2.3	3.0	3.0	2.8	3.0	2.8	1.8	2.0

**Mapping of Course Outcomes to Program Specific Outcomes  
(Remote Sensing)**

COs/PSOs	PSO1	PSO2	PSO3	PSO4
Paper 304.1	3.0	3.0	3.0	2.0
Paper 304.2	3.0	2.0	3.0	3.0
Paper 304.3	3.0	3.0	3.0	3.0
Paper 304.4	3.0	3.0	3.0	2.0
<b>Average</b>	3.0	2.8	3.0	2.5

**Mapping of Course Outcomes to Program Outcomes  
(Socio-economic Survey and Report Writing)**

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Paper 304.1	1.0	1.0	1.0	3.0	3.0	2.0	2.0	3.0	1.0	2.0	2.0
Paper 304.2	1.0	1.0	3.0	3.0	3.0	2.0	3.0	3.0	2.0	2.0	2.0
Paper 304.3	3.0	2.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	2.0	2.0
Paper 304.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0
<b>Average</b>	2.0	1.8	2.5	3.0	3.0	2.3	2.8	3.0	2.3	2.3	2.0

**Mapping of Course Outcomes to Program Specific Outcomes  
(Socio-economic Survey and Report Writing)**

COs/PSOs	PSO1	PSO2	PSO3	PSO4
Paper 304.1	2.0	2.0	3.0	3.0
Paper 304.2	2.0	3.0	3.0	3.0
Paper 304.3	3.0	3.0	3.0	3.0
Paper 304.4	3.0	3.0	3.0	3.0
<b>Average</b>	2.5	2.8	3.0	3.0

*Ashish*

**Principal  
Dyal Singh College  
KARNAL**



# **Department of Economics**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

# **BACHELOR OF ARTS (ECONOMICS) PROGRAMME**

## **THREE YEARS COURSE**

### **Program Outcomes of B.A Economics**

After completion of the **Bachelor of Arts (Economics)** programme that aims at providing comprehensive insight into finance, banking, taxation, management, and international business and foreign trade, the students should be able to:

<b>PO1</b>	Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
<b>PO2</b>	Communication	To the development of ability in youth for understanding basic economic rationality and effective communication skills
<b>PO3</b>	Problem Solving	Acknowledge roles of entrepreneur, businessmen, managers and consultant etc., which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.
<b>PO4</b>	Pragmatic Approach	The practical knowledge of various aspects of finance for business, like financing, economics etc are helpful in honing and application-centric approach towards business amongst students.
<b>PO5</b>	Implementation of Modern Tool	Ability to use and learn latest techniques, skills and modern tools for practices in economic life.
<b>PO6</b>	Life-Long Learning	Knowledge and skills that are learnt during the course are applied in realistic situations throughout the life.
<b>PO7</b>	Project Management	Exemplify knowledge and skills for Banking, Financial Services and Insurance functions. Capable to respond to the global outlook on challenges and opportunities in business and Financial sector.
<b>PO8</b>	Entrepreneurship	Students can independently start up their own business with requisite knowledge of legal, financial, technical and marketing aspects of entrepreneurship.
<b>PO9</b>	Individual and Team Work	Develop self-confidence and should also appreciate importance of working independently and in a team.
<b>PO10</b>	Environment and Sustainability	Development of a responsible entrepreneur who is environmentally sensitive and understands the importance of sustainable development.
<b>PO11</b>	Ethics	Awareness on legal, social and ethical issues in social life and business.



### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

The objective of the curriculum designed for B.A ECONOMICS course is to nurture the technical aptitude of students for professional competency in economic life as well as in business and industry.

<b>PSO1</b>	<b>Demonstrate the knowledge and understanding of economic agents behaviour at micro level and macro-level</b>
<b>PSO2</b>	<b>Students will be able to think critically and correlate the economics knowledge with decision-making with regard to economic planning and economic policies, understanding of conflicts &amp; tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community</b>
<b>PSO3</b>	<b>Develop an understanding of the principles, methods of economic analysis in static and dynamic terms and analysis of economic data.</b>
<b>PSO4</b>	<b>Enhancement of Concise and meaningful writing &amp; reporting skills as well as presentation skills, and ability to work productively in a group with co-operation.</b>
<b>PSO5</b>	<b>Develop an ability to prepare for different competitive exams like banking, insurance and taxation and different administrative services exams.</b>
<b>PO6</b>	<b>Encourage students to participate in different co-curricular activities at national and international level and prepare them to compete globally.</b>

## Course Outcomes: EC-21

### Micro Economics-1

### Semester- 1

Type: Core Course (CC) Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 28 (i.e., 35%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35 (i.e., 35%)	<b>Instructions to Paper Setter:</b> 1. The question paper will consist of 10 questions out of which 5 questions in all are to be attempted. 2. Question No. 1 and 2 are compulsory. 3. Two questions (Q. No. 3 to Q. No. 10) will be set from each of the four units. 4. Q. No. 1 will be based on a Case Study followed by four short answer type questions (4 marks each). 5. Q. No. 2 will contain 5 multiple choice type questions (1 mark each) 5 matching type questions (1 mark each) and 3 very short answer questions (2 marks each). The question will be spread over the entire syllabus. 6. All questions carry equal marks.
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**Objective:** This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.

**Course Outcomes:** At the end of this course, the student will be able to:

EC- 21.1: Understand the nature and scope of economics, economic problems and demand and elasticity of demand.

EC -21.2: Develop an understanding of consumer behaviour and satisfaction maximisation.

EC- 21.3: Develop an understanding about producer behaviour and profit maximisation.

EC- 21.4: Understand the cost and revenue concepts and their behaviour.

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<b>CO-PO Mapping Matrix for course EC-21</b>											
Cos/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
EC-21.1	3	2	2	2	3	2	3	3	1	1	2
EC-21.2	3	3	2	3	3	2	3	3	1	1	3
EC-21.3	3	3	3	3	3	2	3	3	2	1	3
EC-21.4	3	2	3	3	3	3	3	3	1	1	2
Average	3	2.5	2.5	2.75	3	2.25	3	3	1.25	1	2.5

<b>CO-PSO Mapping Matrix for course EC-21</b>						
Cos/PSOs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
EC-21.1	2	2	3	2	3	2
EC-21.2	3	3	3	2	3	2
EC-21.3	3	3	3	2	3	2
EC-21.4	2	3	3	2	3	2
Average	2.5	2.75	3	2	3	2

## Course Outcomes: EC- 22

### Micro Economics: II

### Semester II

Type: Core Course (CC) Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 28 (i.e., 35%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35 (i.e., 35%)	<b>Instructions to Paper Setter:</b> 1. The question paper will consist of 10 questions out of which 5 questions in all are to be attempted. 2. Question No. 1 and 2 are compulsory. 3. Two questions (Q. No. 3 to Q. No. 10) will be set from each of the four units. 4. Q. No. 1 will be based on a Case Study followed by four short answer type questions (4 marks each). 5. Q. No. 2 will contain 5 multiple choice type questions (1 mark each) 5 matching type questions (1 mark each) and 3 very short answer questions (2 marks each). The question will be spread over the entire syllabus. 6. All questions carry equal marks.
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**Objective:** This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.

**Course Outcomes:** At the end of this course, the student will be able to:

EC-22.1: Understand the market structure and their features.

EC-22.2: Develop an understanding of price determination and equilibrium of firm under perfect competition.

EC-22.3: Develop an understanding about the monopoly and discriminating monopoly.

EC-22.4: Understand the equilibrium of monopolistic competition market.

CO-PO Mapping Matrix for course EC-22											
Cos/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
EC- 22.1	3	2	2	2	2	2	2	3	1	1	2
EC-22.2	3	3	3	2	3	2	3	3	1	2	3
EC- 22.3	3	2	3	2	3	2	3	3	1	2	3
EC- 22.4	3	3	3	2	2	2	3	3	1	2	3
Average	3	2.5	2.75	2	2.5	2	2.75	3	1	1.75	2.75

CO-PSO Mapping Matrix for course EC-22						
Cos/PSOs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
EC- 22.1	2	2	2	2	3	2
EC- 22.2	3	2	3	3	3	2
EC- 22.3	3	2	3	3	3	2
EC- 22.4	3	2	3	3	3	2
Average	2.75	2	2.75	2.75	3	2

## Course Outcomes: EC- 23

### Macro Economics: I

### Semester III

Type: Core Course (CC) Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 28 (i.e., 35%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35 (i.e., 35%)	<b>Instructions to Paper Setter:</b> 1. The question paper will consist of 10 questions out of which 5 questions in all are to be attempted. 2. Question No. 1 and 2 are compulsory. 3. Two questions (Q. No. 3 to Q. No. 10) will be set from each of the four units. 4. Q. No. 1 will be based on a Case Study followed by four short answer type questions (4 marks each). 5. Q. No. 2 will contain 5 multiple choice type questions (1 mark each) 5 matching type questions (1 mark each) and 3 very short answer questions (2 marks each). The question will be spread over the entire syllabus. 6. All questions carry equal marks.
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**Objective:** This course is designed to expose the students to the basic principles of macroeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how macroeconomic concepts can be applied to analyse aggregates of an economy.

**Course Outcomes:** At the end of this course, the student will be able to:

EC- 23.1: Understand nature & scope of macroeconomics, national income and circular flow of income in economy.

EC-23.2: Develop an understanding of macroeconomic behaviour in terms of classical theory of employment, Say's law of market and Keynesian theory of income and employment.

EC-23.3: Develop an understanding about consumption functions and Keynesian Psychological law of consumption.

EC- 23.4: Understand the investment and marginal efficiency of capital.

<b>CO-PO Mapping Matrix for course EC-23</b>											
Cos/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
EC- 23.1	3	3	2	2	2	3	1	1	1	2	2
EC-23.2	3	3	2	2	3	3	1	1	1	1	2
EC- 23.3	3	2	3	2	3	3	1	2	1	1	2
EC- 23.4	3	3	3	2	2	3	1	3	1	1	2
Average	3	2.75	2.5	2	2.5	3	1	1.75	1	1.25	2
<b>CO-PSO Mapping Matrix for course EC-23</b>											
Cos/PSOs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6					
EC- 23.1	3	3	2	2	3	2					
EC- 23.2	3	3	3	2	3	2					
EC- 23.3	3	3	3	2	3	2					
EC- 23.4	3	3	3	3	3	2					
Average	3	3	2.75	2.25	3	2					

## Course Outcomes: EC- 24

### Macro Economics: II

### Semester IV

Type: Core Course (CC) Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 28 (i.e., 35%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35 (i.e., 35%)	<b>Instructions to Paper Setter:</b> 1. The question paper will consist of 10 questions out of which 5 questions in all are to be attempted. 2. Question No. 1 and 2 are compulsory. 3. Two questions (Q. No. 3 to Q. No. 10) will be set from each of the four units. 4. Q. No. 1 will be based on a Case Study followed by four short answer type questions (4 marks each). 5. Q. No. 2 will contain 5 multiple choice type questions (1 mark each) 5 matching type questions (1 mark each) and 3 very short answer questions (2 marks each). The question will be spread over the entire syllabus. 6. All questions carry equal marks.
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**Objective:** This course is designed to expose the students to the basic principles of macroeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how macroeconomic concepts can be applied to analyse aggregates of an economy.

**Course Outcomes:** At the end of this course, the student will be able to:

EC-24.1: Develop an understanding about income generating process through multiplier, super multiplier and acceleration principle in an economy.

EC- 24.2: Develop an understanding of classical, neo classical & Keynesian approach of demand for money. High powered money and money multiplier.

EC- 24.3: Develop an understanding about inflation.

EC-24.4: Understand business cycles, Hicks & Samuelson theories of trade cycles and Classical & Keynesian theories of interest.

<b>CO-PO Mapping Matrix for course EC24</b>											
Cos/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
EC- 24.1	3	3	3	2	3	3	1	2	2	1	2
EC-24.2	3	3	2	2	2	3	1	1	1	1	2
EC- 24.3	3	2	3	2	3	3	1	1	1	1	2
EC- 24.4	3	3	3	2	2	3	1	2	1	1	2
Average	3	2.75	2.75	2	2.5	3	1	1.5	1.25	1	2
<b>CO-PSO Mapping Matrix for course EC23</b>											
Cos/PSOs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6					
EC- 24.1	3	3	2	2	3	3					
EC- 24.2	3	2	3	2	3	3					
EC- 24.3	3	3	3	2	3	2					
EC- 24.4	3	3	3	2	3	2					
Average	3	2.75	2.75	2	3	2.5					

## Course Outcomes: EC- 25

### Indian Economy -1

### Semester- V

Type: Core Course (CC) Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 28 (i.e., 35%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35 (i.e., 35%)	<b>Instruction to Paper Setter:</b> 1. The question paper will consist of 10 questions out of which 5 questions in all are to be attempted. 2. Question No. 1 and 2 are compulsory. 3. Two questions (Q. No. 3 to Q. No. 10) will be set from each of the four units. 4. Q. No. 1 will be based on a Case Study followed by four short answer type questions (4 marks each). 5. Q. No. 2 will contain 5 multiple choice type questions (1 mark each) 5 matching type questions (1 mark each) and 3 very short answer questions (2 marks each). The question will be spread over the entire syllabus. 6. All questions carry equal marks.
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**Objective:** This course is designed to understand the students about Indian Economy, its structure, problems, challenges and opportunities.

**Course Outcomes:** At the end of this course, the student will be able to:

EC- 25.1: Understand the nature of the Indian Economy and different type of economies and their development issues.

EC- 25.2: Understand the problem of population, its economic implications and solutions.

EC-25.3: Understand the current scenario of poverty and unemployment, causes and measures.

EC-25.4 analyses the role of agriculture in Indian economy, causes of low productivity, demonstrate achievements and failures of green revolution and SEZ.

**CO-PO Mapping Matrix for course EC-25**

Cos/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
EC- 25.1	3	3	2	2	2	2	2	3	1	1	1
EC- 25.2	3	3	2	3	3	2	3	3	2	2	1
EC- 25.3	3	3	3	3	3	2	3	3	1	2	1
EC - 25.4	3	3	3	2	3	2	3	3	1	1	1
Average	3	3	2.5	2.5	2.75	2	2.75	3	1.25	1.5	1

**CO-PSO Mapping Matrix for course EC-25**

Cos/PSOs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
EC-25.1	1	2	2	2	3	3
EC- 25.2	1	3	3	2	3	3
EC - 25.3	1	3	3	2	3	3
EC- 25.4	1	3	3	2	3	3
Average	1	2.75	2.75	2	3	3

**Course Outcomes: EC- 26**

**Indian Economy- II**

**Semester- VI**

Type: Core Course (CC) Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 28 (i.e., 35%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35 (i.e., 35%)	<b>Instruction to Paper Setter:</b> 1. The question paper will consist of 10 questions out of which 5 questions in all are to be attempted. 2. Question No. 1 and 2 are compulsory. 3. Two questions (Q. No. 3 to Q. No. 10) will be set from each of the four units. 4. Q. No. 1 will be based on a Case Study followed by four short answer type questions (4 marks each). 5. Q. No. 2 will contain 5 multiple choice type questions (1 mark each) 5 matching type questions (1 mark each) and 3 very short answer questions (2 marks each). The question will be spread over the entire syllabus. 6. All questions carry equal marks.
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**Objective:** This course is designed to understand the students about Indian Economy, its structure, problems, challenges and opportunities.

**Course Outcomes:** At the end of this course, the student will be able to:

EC- 26.1 understand the role of industrialization, analyse the impact of liberalization, globalization and privatization on Indian economy.


EC- 26.2 understand the characteristics of industrial labour, industrial dispute and initiatives taken by the govt. for their social security.

EC- 26.3 understand the economic planning, its objectives, failures and achievement.

EC- 26.4 .analyse the role of FDI, FII and MNCs in India, BOP problem in India.

<b>CO-PO Mapping Matrix for course EC-26</b>											
Cos/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
EC- 26.1	3	3	2	2	2	2	2	3	1	2	1
EC- 26.2	3	3	2	3	3	2	2	3	1	3	1
EC- 26.3	3	3	2	2	2	2	3	3	1	1	1
EC- 26.4	3	3	3	2	3	2	2	3	1	1	1
Average	3	3	2.25	2.25	2.5	2	2.25	3	1	1.75	1

<b>CO-PSO Mapping Matrix for course EC-26</b>						
Cos/PSOs	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
EC- 26.1	1	2	2	2	3	3
EC- 26.2	1	3	2	2	3	3
EC- 26.3	1	3	3	2	3	3
EC- 26.4	1	3	2	2	3	3
Average	1	2.75	2.25	2	3	3

  
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# **Department of Economics**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Hons. Course**



## B.A. (ECONOMICS HONOURS) THREE YEARS PROGRAMME

### **PURPOSE OF THE COURSE:**

This course support and encourage the broad instructional goals such as basic knowledge of the discipline of Economics including concepts, fundamental theories and general principles. This also support the ability to ask relevant questions and to obtain solutions to these questions by using qualitative and quantitative reasoning. The important attributes of the students including appreciation of the all the subjects related to Economics, and they become curious, creative and innovative relating the social reality with Economics. With this in mind, we aim to provide a firm foundation in every aspect of Economics.

### **PROGRAMME OUTCOMES (POs)**

**PO1**· Assess the existing knowledge, concepts, techniques, and methodology appropriate to the graduate's chosen discipline.

**PO2**· Conceive and plan a high-quality research in the appropriate disciplinary or multi-disciplinary context.

**PO3**· Apply discipline based or cross-discipline based knowledge to design a problem-solving strategy

**PO4**· Identify major issues, debates, or approaches appropriate to the discipline

**PO5**· Empower and enhance the understanding of change and growth with a world view

**PO6**· Provide systematic knowledge of theory and its practices.

**PO7**· Develop an argument in accordance with the methods of the discipline

**PO8**· Solve discipline-based or cross-discipline-based problems using strategies appropriate to the subject

**PO9**· Inspire and encourage for futuristic education and development.

**PO10**· the program aims at producing successful and competent economic analysts who are ethically and socially responsible professionals with an inter-disciplinary orientation.

### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

**PSO 1:** This course is designed to expose the students to the basic principles of Economics. The emphasis will be on thinking like an Economist and the course will illustrate how economic concepts can be applied to analyse real-life situations

**PSO 2:** The subject develops strong competencies at under graduate level students in broad area of Economics and its applications in an interactive environment. Economics leads to careers in business, law, education, banking, insurance, public policy, diplomacy, environmental science, international affairs and in research and consultancy.

**PSO 3:** Economics Graduates understand the issues of environmental contexts and sustainable development. They understand the two-way relationship between Environment and Economy. They are familiar with the knowledge of international trade and its theories. They are able to understand the concept of public finance, revenue collection, Money Supply, Banking Functions, Credit Creation etc

**PSO 4:** The study of Economics helps in enhancing numerical and computing ability and will also help in developing presentation skills. The course is helpful in analysing the economic importance of various sectors like Agriculture, Industry and Service sector in development of a country.

**PSO 5:** Economics helps to understand the basic concepts of consumer behaviour, producer behaviour, Income inequalities, poverty, Unemployment, Importance of National and International trade and various Macro Economic Policies.

**PSO 6:** Students will be able to develop a scientific temperament that would inculcate a spirit of research and enquiry which are fundamental for future policy initiatives and social growth courses. They engage in rational, objective and independent thinking so as to identify, define and logically evaluate ideas; solve problems systematically and detect inconsistencies in arguments.

**PSO 7:** To analyse and evaluate positions on economic issues, showing that one can break an economic issue down into the various economic principles and concepts that form the basis of the position and identify the competing sides on the issue.

**PSO 8:** It is an important subject opted for different competitive exams i.e., Indian Economic Services (IES), Indian Administrative Services (IAS), Banking, Insurance, National Sample Survey, Ministry of Foreign Affairs, Ministry of Finance, NITI Aayog etc.

**PSO 9:** · Students will be able to explain economics to lay audiences, showing that they can translate economic concepts and principles into terms that can be understood by both general and specific audiences.

**PSO10:** · Students will be able to solve real-world economic problems effectively in the context of an industry or field of study, showing that they can identify and collect the appropriate economic data, analyse data in terms of costs and benefits

## **Scheme of B.A. 1st, 2nd, 3rd (Economics Hons.) Semester System**

### **B.A.Part-1**

<b><u>Semester-1</u></b>	<b>Nomenclature</b>
<b>Paper-101</b>	<b>Micro Economics -I</b>
<b>Paper-102</b>	<b>Macro Economics –I</b>

<b><u>Semester-2</u></b>	
<b>Paper-203</b>	<b>Micro Economics -II</b>
<b>Paper-204</b>	<b>Macro Economics -II</b>

### **B.A.Part-2**

<b><u>Semester-3</u></b>	
<b>Paper-305</b>	<b>Money &amp; Banking</b>
<b>Paper-306</b>	<b>Issues in Indian Economy</b>
<b>Paper-307</b>	<b>Development Economics &amp; Planning</b>

<b><u>Semester-4</u></b>	
<b>Paper-408</b>	<b>Public Economics</b>
<b>Paper-409</b>	<b>Sectoral Development &amp; Policies in India</b>
<b>Paper-410</b>	<b>Mathematics for Economics</b>

### **B.A.Part-3**

<b><u>Semester-5</u></b>	
<b>Paper-511</b>	<b>History of Economic Thought</b>
<b>Paper-512</b>	<b>International Economics-I</b>
<b>Paper-513</b>	<b>Environment Economics &amp; Policy</b>

<b><u>Semester-6</u></b>	
<b>Paper-614</b>	<b>Statistics for Economists</b>
<b>Paper-615</b>	<b>International Economics-II</b>
<b>Paper-616</b>	<b>Comparative Economic Development</b>

**PAPER CODE 101 : MICRO ECONOMICS-I SEMESTER-1**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to the Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b> This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.</p>	

**Course Outcomes:**

After the successful completion of the course, the students will be able to:

101.1: Understand the nature and scope of economics, economic problems and demand and elasticity of demand.

101.2: Develop an understanding of consumer behaviour and satisfaction maximisation.

101.3: Develop an understanding about producer behaviour and profit maximisation.

101.4: Understand the cost and revenue concepts and their behaviour.

**CO-PO Mapping Matrix for course- 101**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
101.1	3	3	3	2	2	2	1	2	2	3
101.2	3	3	3	3	1	3	2	3	3	3
101.3	3	3	3	3	1	3	2	2	3	3
101.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	1.5	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course- 101**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
101.1	3	3	3	3	2	3	2	3	3	3
101.2	3	3	2	3	3	3	2	2	2	3
101.3	3	3	2	3	3	3	2	2	2	3
101.4	3	3	3	3	3	3	2	3	2	3
Average	3	3	2.5	3	2.75	3	2	2.5	2.25	3

**PAPER- 102: MACRO ECONOMICS-I SEMESTER-1**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the economy as a whole. It provides basic knowledge of all macro economic variables like employment, output, Inflation, deflation etc and application of macroeconomic policies.

**Course Outcomes:** At the end of this course, the student will be able to:

- 102.1 Have insight about Macroeconomics- Nature & scope, National income-Concepts and measurement
- 102.2 Have further understanding of economy in terms of equilibrium level of income employment-classical and Keynesian approach
- 102.3 Have knowledge about nature of consumption function, and Consumption-income relationship in short and long run
- 102.4 Have understanding about Capital, investment function, Propensity to Invest ,and theories of investment

**CO-PO Mapping Matrix for Course Code: Paper-102**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
102.1	3	3	2	3	3	3	3	3	3	2
102.2	3	2	2	3	3	3	3	2	1	2
102.3	2	3	3	3	2	2	3	3	2	2
102.4	2	2	3	2	3	3	2	2	2	1
Average	2.5	2.5	2.5	2.75	2.75	2.75	2.75	2.5	2.0	1.75

**CO-PSO Mapping Matrix for Course Code: Paper-102**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO 6	PSO7	PSO8	PSO 9	PSO10
102.1	3	3	3	3	3	2	2	3	3	3
102.2	3	3	2	2	3	3	3	3	2	3
102.3	3	2	3	2	3	2	3	3	3	3
102.4	3	3	3	2	3	3	3	2	2	3
Average	3	2.75	2.75	2.25	3	2.5	2.75	2.75	2.5	3

**PAPER 203 : MICRO ECONOMICS-II SEMESTER -II**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to the Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b> This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.</p>	

**Outcomes Course:** At the end of this course, the student will be able to:

203.1: Understand the market structure and their features. Develop an understanding of price determination and equilibrium of firm under perfect competition and monopoly

203.2: Develop an understanding about the monopolistic competition and oligopoly.

203.3: Understand theory of factor pricing and theories of interest and profit.

203.4 Develop an understanding about general equilibrium and welfare economics.

**CO-PO Mapping Matrix for course- 203**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
203.1	3	3	3	2	2	2	1	2	2	3
203.2	3	3	3	3	2	3	2	3	3	3
203.3	3	3	3	3	2	3	2	2	3	3
203.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	2	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course 203**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
203.1	2	3	3	3	2	3	2	3	1	3
203.2	2	3	2	3	3	3	2	2	2	3
203.3	2	3	2	3	3	3	2	2	2	3
203.4	3	3	3	3	3	3	2	3	2	3
Average	2.25	3	2.5	3	2.75	3	2	2.5	1.75	3

**PAPER- 204: MACRO ECONOMICS-II****SEMESTER-II**

Type: Core Course (CC) Contact Hours: 45 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 32 (i.e. 40%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 40 (i.e. 40%)	<b>Instructions To Paper Setter:</b> Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.
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**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the economy as a whole. It provides basic knowledge of all macro economic variables like employment, investment, output, Inflation, deflation etc and application of macroeconomic policies and fluctuations in the economy.

**Course Outcomes:** At the end of this course, the student will be able to:

204.1 Have insight about the income generation process-multiplier effect of investment and acceleration effect of changes in output

204.2 Have further understanding about the value of money and price level in the economy and inflation process.

204.3 Have knowledge about nature and determination of rate of interest, working mechanism and co-ordination of monetary and fiscal policies

204.4 Have understanding about business fluctuations in an economy ,phases of trade cycles and mechanism &policy measures

**CO-PO Mapping Matrix for Course Code: Paper-204**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
204.1	3	3	2	3	3	3	3	3	3	3
204.2	3	2	2	3	3	3	3	2	3	2
204.3	3	3	3	3	2	3	3	3	2	3
204.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-204**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO 6	PSO7	PSO8	PSO 9	PSO10
204.1	3	3	3	3	3	3	2	3	3	3
204.2	3	3	2	2	3	2	2	3	3	2
204.3	3	2	3	2	3	3	3	3	2	2
204.4	3	3	3	2	3	2	3	2	3	2
Average	3	2.75	2.75	2.25	3	2.5	2.5	2.75	2.75	2.25

**PAPER-305 MONEY & BANKING SEMESTER-III**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter For End Semester Exam:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the financial structure, organization and working of financial system as a whole and particularly of India for better financial decision making.

**Course Outcomes:** At the end of this course, the student will be able to:

**305.1** Have insight about the Money, Money supply, Money & Capital Markets- Organisation, Structure and Working.

**305.2** Have further understanding of Banking, Commercial banks- functions & Credit Creation, RBI and Credit Control measures

**305.3** Have knowledge about nature of financial sector-money and capital market of India, Non-bank financial intermediaries

**305.4** Have understanding about exchange rates ,and exchange rate mechanism, theories of Exchange rate determination ,adjustments

**CO-PO Mapping Matrix for Course Code: Paper-305**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
305.1	3	3	2	3	3	3	3	3	3	3
305.2	3	2	2	3	3	3	3	2	3	2
305.3	3	3	3	3	2	3	3	3	2	3
305.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-305**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
305.1	3	3	2	3	3	3	3	3	3	3
305.2	3	2	2	3	3	3	3	2	3	2
305.3	3	3	3	3	2	3	3	3	2	3
305.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75



**PAPER- 306 ISSUES IN INDIAN ECONOMY SEMESTER-III**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b>The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</p>
<p><b>Objective:</b> The basic objective of the paper is to understand the basic issues of Indian Economy, its problems and solutions.</p>	

**Course Outcome:** At the end of this course, the student will be able to

**306.1** Have knowledge about basic issues like Overpopulation, urbanization Rural-urban migration, poverty, unemployment etc.

**306.2** Have understanding of regional backwardness, and regional imbalances, and issues relating to Haryana economy.

**306.3** Have knowledge about human resource development, education & healthcare, labour productivity measures, gender and economic development

**306.4** Have understanding about economic reforms, competitiveness of India trade and industry, Special economic zones, NITI ayog.

**CO-PO Mapping Matrix for course- 306**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
<b>306.1</b>	3	3	2	3	1	1	1	1	3	3
<b>306.2</b>	3	3	3	3	2	1	2	2	3	3
<b>306.3</b>	3	3	3	3	1	1	2	2	3	3
<b>306.4</b>	3	3	2	3	2	1	1	1	3	3
<b>Average</b>	3	3	2.5	3	1.5	1	1.5	1.5	3	3

**CO-PSO Mapping Matrix for course- 306**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
<b>306.1</b>	2	3	2	2	3	3	2	3	3	3
<b>306.2</b>	2	3	1	2	3	3	3	3	3	3
<b>306.3</b>	2	3	1	1	2	3	3	3	3	3
<b>306.4</b>	2	3	1	2	3	3	2	3	3	3
<b>Average</b>	2	3	1.25	1.75	2.75	3	2.75	3	3	3

**PAPER CODE 307-ECONOMIC DEVELOPMENT AND PLANNING SEMESTER-III**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each. .</p>
<p><b>Course Objective:</b> The objective of this course is to provide the students knowledge with regard to economic development, sustainable development, different theories of economic development and economic planning and policy.</p>	

**Course Outcome: At the end of this course, the student will be able to :**

307.1 Understand the concepts of economic development, Underdevelopment and sustainable development

307.2 Develop an understanding of theories of economic development Adam Smith, Mill, Marx and Schumpeter

307.3 Have knowledge about approaches to development-Lewis, Leibenstein, Vicious circle of poverty Balanced and unbalanced growth strategy

307.4 Understand the strategy and objectives of planning, mechanism of economic policy.

**CO-PO Mapping Matrix for course- 307**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
307.1	3	3	2	3	3	2	1	1	3	3
307.2	3	3	3	3	2	2	2	2	3	3
307.3	3	3	3	3	1	2	2	2	3	3
307.4	3	3	2	3	3	2	1	1	3	3
Average	3	3	2.5	3	2.25	2	1.5	1.5	3	3

**CO-PSO Mapping Matrix for course -307**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
307.1	3	3	2	3	2	3	2	3	3	3
307.2	2	2	1	2	2	3	3	3	3	2
307.3	2	3	1	2	2	3	3	2	3	2
307.4	3	3	1	2	2	3	3	3	3	3
Average	2.5	2.75	1.25	2.25	2	3	2.75	2.75	3	2.5

**PAPER- 408 : PUBLIC ECONOMICS SEMESTER-IV**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the Public finance, Public Expenditure, Public Revenue as well as Budgetary policy framework and provide status of centre –state financial relationship.

**Course Outcomes:** At the end of this course, the student will be able to:

408.1 Have insight about the Public economics- nature&scope,market failure

408.2 Have understanding of Public revenue, Public debt: types,nature Effects, trends

408.3 Have knowledge about nature of public expenditure-types,nature Effects,trends

408.4 Have understanding about Budget,concepts of deficits,centre and states finances, financial relationship, Finance commission recommendations

**CO-PO Mapping Matrix for Course Code: Paper-408**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
408.1	3	3	2	3	3	3	3	3	3	3
408.2	3	2	2	3	3	3	3	2	3	2
408.3	3	3	3	3	2	3	3	3	2	3
408.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-408**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
408.1	3	3	2	3	3	3	3	3	3	3
408.2	3	2	2	3	3	3	3	2	3	2
408.3	3	3	3	3	2	3	3	3	2	3
408.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**PAPER CODE: 409 SECTORAL DEVELOPMENT AND POLICIES IN INDIA**

**SEMESTER-IV**

<b>Type: Core Course (CC)</b> <b>Contact Hours: 40 minutes/day</b> <b>Examination Duration: 3 Hours</b> <b>Mode: Lecture</b> <b>External Maximum Marks: 80</b> <b>External Pass Marks: 32 (i.e., 40%)</b> <b>Internal Maximum Marks: 20</b> <b>Total Max. Marks: 100</b> <b>Total Pass Marks: 40 (i.e., 40%)</b>	<b>Instructions to Paper Setter: The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</b>
<b>Objective: The basic objective of the paper is to understand the development of different sectors of the Indian Economy.</b>	

**Course Outcome: At the end of this course, the student will be able to:**

**409.1 Have knowledge about infrastructure development and related problems and solutions.**

**409.2 Understanding of agriculture sector of India and about green revolution agricultural marketing and land reforms.**

**409.3 Have knowledge about industrial sector, its growth and industrial policies**

**409.4. have knowledge about different banks and their objective and functions.**

**CO-PO Mapping Matrix for course- 409**

<b>CO/PO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>
<b>409.1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>409.2</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>409.3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>409.4</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>Average</b>	<b>3</b>	<b>3</b>	<b>1.5</b>	<b>2.5</b>	<b>1</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>3</b>

**CO-PSO Mapping Matrix for course- 409**

<b>CO/PO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>	<b>PSO9</b>	<b>PSO10</b>
<b>409.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>409.2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>409.3</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>409.4</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>Average</b>	<b>2</b>	<b>2.75</b>	<b>1.75</b>	<b>2.75</b>	<b>2.75</b>	<b>1.75</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>

**PAPER CODE: 410: MATHEMATICS FOR ECONOMICS**

**SEMESTER-IV**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b> The objectives of this course is to provide the students knowledge with regard to mathematics and economic applications of different concepts of mathematics.</p>	

**Course Outcomes:**

After the successful completion of the course, the students will be able to:

- 410.1 Have knowledge about the set theory, functions and functions in economics.
- 410.2 Have understanding of Matrices and Input-output analysis.
- 410.3 Have knowledge about simple derivatives, partial derivative and their economic applications.
- 410.4 Have understanding about maxima and minima, and Integration, and application of integration in economics.

**CO-PO Mapping Matrix for course 410**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
410.1	3	3	3	2	1	2	1	2	2	3
410.2	3	3	3	2	1	3	2	3	3	3
410.3	3	3	3	2	1	3	2	2	3	3
410.4	3	3	3	2	1	3	2	3	3	3
Average	3	3	3	2	1	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course 410**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
410.1	2	2	1	3	1	3	2	2	1	3
410.2	3	3	1	3	2	3	2	2	2	3
410.3	2	3	1	3	2	3	2	2	2	3
410.4	3	3	1	3	2	3	2	2	2	3
Average	2.5	2.75	1	3	1.75	3	2	2	1.75	3

**PAPER- 511 : HISTORY OF ECONOMIC THOUGHT SEMESTER-V**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge about history of different school of economic thought and give detailed outlook of economic ideas of economic thinkers.

**Course Outcomes:** At the end of this course, the student will be able to:

- 511.1 Have knowledge about the classical economic thought: A Smith D Ricardo, T Malthus
- 511.2 Have understanding of Neo-classical thought-Jevons, Menger, Walras, Marshall
- 511.3 Have knowledge about economic thought and concepts of J.M Keynes and Austrian school of thought
- 511.4 Have understanding about Indian thinkers about economics like Gandhi, Amartya sen and others.

**CO-PO Mapping Matrix for Course Code: Paper-511**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
511.1	3	3	2	3	3	3	3	1	3	3
511.2	3	2	2	3	3	3	3	1	3	2
511.3	3	3	3	3	2	3	3	1	2	3
511.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	1.25	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-511**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
511.1	3	3	2	3	3	3	3	3	3	3
511.2	3	2	2	3	3	2	3	2	3	2
511.3	3	3	3	3	2	1	3	3	2	1
511.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	2.25	2.75	2.5	2.5	2.25

**PAPER CODE: 512 INTERNATIONAL ECONOMICS- I SEMESTER-V**

<p><b>Type: Core Course (CC)</b>  <b>Contact Hours: 40 minutes/day</b>  <b>Examination Duration: 3 Hours</b>  <b>Mode: Lecture</b>  <b>External Maximum Marks: 80</b>  <b>External Pass Marks: 32 (i.e., 40%)</b>  <b>Internal Maximum Marks: 20</b>  <b>Total Max. Marks: 100</b>  <b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b>The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</p>
<p><b>Objective: The basic objective of the paper is to understand the international trade, determination of terms of trade and gains from trade.</b></p>	

**Course Outcome: At the end of this course, the student will be able to**

**512.1 Have an idea about the basis and rationale of domestic trade and international trade. Classical theory and opportunity cost theory of trade**

**512.2 Have understanding of role of reciprocal demand in trade and offer Curve approach, Heckscher-Ohlin approach, Factor price equalisation**

**512.3 Have knowledge about nature of trade as a stimulant for economic Growth, gains from trade and hypothesis of secular deterioration of Terms of trade for less developed countries.**

**512.4 Have understanding about interventions with free trade-quotas and tariffs, effects on balance of payments, terms of trade, income and distribution of trade gains**

**CO-PO Mapping Matrix for course -512**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
512.1	3	2	2	2	3	2	3	3	3	3
512.2	3	2	2	2	3	3	3	2	3	3
512.3	3	3	1	3	3	3	3	3	3	3
512.4	3	3	2	3	3	2	3	3	3	3
Average	3	2.5	1.75	2.5	3	2.5	3	2.75	3	3

**CO-PSO Mapping Matrix for course -512**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
512.1	3	3	3	2	2	2	2	3	3	1
512.2	3	3	3	2	2	2	3	3	3	2
512.3	3	3	3	3	3	3	3	3	3	2
512.4	3	3	3	2	3	2	2	3	3	2
Average	3	3	3	2.75	2.5	2.25	2.5	3	3	1.75

**PAPER CODE 513 :ENVIRONMENTAL ECONOMICS SEMESTER-V**

<p><b>Type: Core Course (CC)</b>  <b>Contact Hours: 40 minutes/day</b>  <b>Examination Duration: 3 Hours</b>  <b>Mode: Lecture</b>  <b>External Maximum Marks: 80</b>  <b>External Pass Marks: 32 (i.e., 40%)</b>  <b>Internal Maximum Marks: 20</b>  <b>Total Max. Marks: 100</b>  <b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b>                  The objective of this course is to provide the students knowledge with regard to Environmental Economics. Also aims to develop understanding in students about environment degradation causes, consequences and control.</p>	

**Course Outcomes: After the successful completion of the course, the students will be able to:**

**513.1 Have insight into nature, scope & subject-matter of Environmental Economics, Environment-economy and population linkages.**

**513.2 Have understanding of market failures, Environment as public good, asymmetry of information.**

**513.3 Have knowledge about sustainable development.**

**513.4 Have understanding about environment legislation Environmental issues, climate change.**

**CO-PO Mapping Matrix for Course- 513**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
513.1	3	3	3	2	2	2	1	2	2	3
513.2	3	3	3	3	2	3	2	3	3	3
513.3	3	3	3	3	2	3	2	2	3	3
513.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	2	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for Course- 513**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
513.1	2	3	3	2	2	3	2	3	1	3
513.2	3	3	3	2	2	3	2	2	2	3
513.3	2	3	3	2	1	3	2	2	2	3
513.4	3	3	3	2	2	3	2	3	2	3
Average	2.5	2.75	3	2	1.75	3	2	2.5	1.75	3



**PAPER CODE:614 STATISTICS FOR ECONOMISTS**

**SEMESTER-VI**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b>The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</p>
<p><b>Objective:</b> This paper has the objective of introducing students with elaborate view of meaning, nature and scope of statistics and understanding and computation of Central Tendencies, Dispersion, Skewness, Kurtosis, Correlation &amp; regression etc.</p>	

**Course Outcome:** At the end of this course, the student will be able to

**614.1** Have understanding about the nature and subject matter of Statistics, measures of central tendency-mean, mode and median.

**614.2** Have understanding of measures of dispersion, elementary idea about concepts of skewness and kurtosis, and measurement

**614.3** Have knowledge about correlation and regression. Working Theoretical and computations skills in measurement of correlation Regression.

**614.4** Have understanding about time series and Index numbers- theoretical and practical knowledge about computational problems

**CO-PO Mapping Matrix for course 614**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
<b>614.1</b>	3	2	3	1	1	2	1	2	3	2
<b>614.2</b>	3	3	3	1	1	3	2	2	3	2
<b>614.3</b>	3	3	3	1	1	3	1	3	3	2
<b>614.4</b>	3	3	3	1	1	3	1	2	3	2
<b>Average</b>	3	2.75	3	1	1	2.75	1.25	2.25	3	2

**CO-PSO Mapping Matrix for course 614**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
<b>614.1</b>	2	3	1	1	1	2	2	3	3	3
<b>614.2</b>	2	3	2	1	2	3	2	3	3	3
<b>614.3</b>	2	3	2	1	1	3	2	3	3	3
<b>614.4</b>	2	3	2	1	2	3	2	3	3	3
<b>Average</b>	2	3	1.75	1	1.5	2.75	2	3	3	3

**PAPER- 615 : INTERNATIONAL ECONOMICS-II SEMESTER-VI**

Type: Core Course (CC) Contact Hours: 45 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 32 (i.e. 40%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 40 (i.e. 40%)	<b>Instructions To Paper Setter:</b> Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.
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**Course Objectives:** The aim of this course is to provide the students knowledge about international trade scenario in general and in Indian context.

**Course Outcomes:** At the end of this course, the student will be able to:

615.1 Have knowledge about balance of payment, balance of trade and disequilibrium in BOP –causes and effects as well as BOP adjustments theories

615.2 Have understanding of role of IMF, World bank and working of Multinational corporations in India.

615.3 Have knowledge about working of regional blocs like EU, ASEAN, and Custom Union in international regime.

615.4 Have understanding about foreign trade of India and its BOP disequilibrium and trade reforms as well as corrective measures for improving BOP of India.

**CO-PO Mapping Matrix for Course Code: Paper-615**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
615.1	3	3	2	3	3	3	3	3	3	1
615.2	3	2	2	3	3	3	3	2	3	2
615.3	3	3	3	3	2	3	3	3	2	3
615.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.25

**CO-PSO Mapping Matrix for Course Code: Paper-615**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
615.1	3	3	2	3	3	1	3	3	3	3
615.2	3	2	2	3	3	2	3	2	3	2
615.3	3	3	3	3	2	1	3	3	2	3
615.4	2	2	3	2	3	1	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	1.25	2.75	2.5	2.5	2.75

**PAPER CODE 616: COMPARATIVE ECONOMIC DEVELOPMENT**

**SEMESTER-VI**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives: The objective of this course is to make students acquainted with comparative Economic development of Britain, US, Japan, China, USSR and newly industrialized countries and lessons learnt by India from these developed economies.</b></p>	

**Course Outcomes:**

After the successful completion of the course, the students will be able to:

**616.1 Have insight into the economic development of Britain & US.**

**616.2 Have understanding of economic development of Japan & China.**

**616.3 Have knowledge about economic development of Russia (in the time of USSR), disintegration of USSR, and growth of Newly industrialized countries.**


**616.4 Have understanding about role of state in economic development of Britain, Russia, and Japan. Lessons for India from growth experience of these countries and EU.**

**CO-PO Mapping Matrix for course- 616**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
616.1	3	3	3	2	2	2	1	2	2	3
616.2	3	3	3	3	2	3	2	3	3	3
616.3	3	3	3	3	2	3	2	2	3	3
616.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	2	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course- 616**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
616.1	2	3	3	3	2	3	2	3	1	3
616.2	2	3	2	3	3	3	2	2	2	3
616.3	2	3	2	3	3	3	2	2	2	3
616.4	3	3	3	3	3	3	2	3	2	3
Average	2.25	2.75	2.5	3	2.75	3	2	2.5	1.75	3

  
 Principal  
 Dyal Singh College  
 KARNAL

# **Department of History**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

# DYAL SINGH COLLEGE, KARNAL

**NAME OF THE PROGRAMME : BACHELOR OF ARTS HISTORY**

**DURATION : B A -THREE YEARS**

## **PROGRAMME OUTCOMES (POs)**

Upon completion of the BA HISTORY Degree Programme the graduate will be able to	
PO1	Come out with the proficiencies in the History subject and apply knowledge to accommodate to the needs of Society / Employer / Institution / Own Business / Enterprise
PO2	Absorb the critical, analytical and innovative philosophy in the field of Administrative History, Socio – Economic and Cultural History, Archaeology and Tourism
PO3	Obtain diverse qualities and principles with high professionalism to gain the deep rooted knowledge of the concerned domain, the nation and themselves
PO4	Understand the values of History and its impact on the society in context with a course of study.
PO5	Widen the importance of the different aspects of historical achievements that formed the contemporary way of life
PO6	Evaluate the present knowledge, its concepts, techniques and methodology of the program.
PO7	Learn a basic sequence of the historical events in a particular region of the world
PO8	Write the historical events in a systematic and secular manner.
PO9	Travel and Tourism Expert: The overall knowledge of the historical events and monuments would help graduates to become the experts for guiding the historical places and their significance.

## **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

While perusing the above programme the student should be able to:

PSO1	Review the existing knowledge, concepts, techniques and methodology of the program.
PSO2	Understand the present accessible conditions of the people with respect to the social, political, cultural and economic aspects in context with the past events.
PSO3	Understand and evaluate different historical perspectives and argument that would be even helpful for competitive examinations
PSO4	Study a fundamental chronology of historical events in a definite region of the world and to evaluate how history has been shaped through the ages.
PSO5	To have an access to the primary sources and secondary sources of history.
PSO6	To comprehend essential abilities in writing the events in historical manner and to build up the practical skills for the understanding of historical events. They: (a) Draw historical maps, charts, diagrams etc (b) Prepare historical models, tools etc.
PSO7	Write the history of events with a technical and methodological approach

**Class: B.A-Ist Year****Semester-I****Subject-History (BA-HR21)****Paper- Ancient India (From Earliest Times to Gupta Age)**

Sr. No.	Course Outcomes
CO1	Students will be able to understand the overall scope of history and its sources and evidences for reshaping the Ancient History of India. It would help in the systematic study of Pre- historic age, conception of Neolithic age and the Harrappan Civilization that was the first urban Civilization in Indian Continental which emerged in about 5000 B.C.
CO2	Students will be able to recognize that the Vedic Civilization was a Rural Civilization in Indian Continental and it was emerged in about 1500-600 B.C.
CO3	Students will get the knowledge about how the First Urban revolution had started in India in 600 B.C. with the emergence of the economic transformations.
CO4	Students will get to know about how Magadha Empire emerged and how the religious movements- Jainism and Buddhism were originated
CO5	Students will get the knowledge about the Mauryan empire under the influence of Chandra Gupta Maurya and Ashoka
CO6	Students will enhance their understanding about the Kushanas and Satvahanas
CO7	Students will understand how in Gupta's Empire not only political condition but also the cultural growth consolidated.

**CO-PO Mapping Matrix for Course Code : BA-HR21**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BA-HR21.1	3	3	3	2.75	3	2.75	3	2.75	2.75
BA-HR21.2	3	3	2.75	2.50	2.75	3	2.75	3	2.75
BA-HR21.3	3	3	2.75	2.75	3	2.50	3	2.50	3
BA-HR21.4	3	3	3	2.50	2.75	3	3	2.75	3
BA-HR21.5	3	3	3	2.75	3	2.50	3	2.75	2.75
BA-HR21.6	3	3	2.75	2.50	3	2.75	3	2.50	3
BA-HR21.7	3	3	3	2.75	3	2.75	3	2.75	3
Average	3	3	2.89	2.64	2.93	2.75	2.96	2.71	2.89

<b>CO-PSO Mapping Matrix for Course Code : BA-HR21</b>							
Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7
BA-HR21.1	3	3	3	3	3	3	3
BA-HR21.2	3	3	2.75	2.75	3	3	2.75
BA-HR21.3	3	3	2.75	3	3	2.75	3
BA-HR21.4	3	2.75	3	3	3	2.75	3
BA-HR21.5	3	2.75	2.75	3	3	2.75	3
BA-HR21.6	3	2.75	3	3	2.75	3	3
BA-HR21.7	3	3	3	3	2.75	3	3
Average	3	2.89	2.89	2.96	2.93	2.89	2.96

**Class: B.A-Ist Year****Semester-II****Subject-History (BA-HR22)****Paper- History of India (600-1526 A.D.)**

Sr. No.	Course Outcomes
CO1	Students will be able to understand how the feudal states emerged in India with the decline of Gupta's Empire. And also the developments of Southern dynasties.
CO2	Students will be able to grasp the knowledge about the reason behind Muslim Invasion and their aim to conquest India
CO3	Students will know about the emergence of Delhi Sultanate and the economic, social, cultural and artistic developments during the period.
CO4	Students will be able to understand how new technological changes occurred in India under Delhi Sultanate that were used in Agricultural, Trade and commerce.
CO5	Students will elaborate their understanding regarding the new social classes that emerged in India which were the results of new State Formation in Medieval time.
CO6	Students would have to understand that in Medieval India, composite culture started with the rising of Bhakti and Sufi movement which pointed out towards the growth of literature, architecture and Art.

**CO-PO Mapping Matrix for Course Code : BA-HR22**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BA-HR22.1	3	3	3	2.75	2.75	3	3	2.75	3
BA-HR22.2	3	3	3	3	2.75	3	2.75	3	3
BA-HR22.3	3	3	3	2.75	3	3	3	2.75	3
BA-HR22.4	3	3	2.75	3	3	3	2.75	2.75	3
BA-HR22.5	3	3	3	2.75	2.50	3	3	2.75	2.75
BA-HR22.6	3	3	3	3	3	2.75	3	2.75	3
Average	3	3	2.96	2.87	2.83	2.96	2.92	2.79	2.96



<b>CO-PSO Mapping Matrix for Course Code : BA-HR22</b>							
<b>Cos#</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>
BA-HR22.1	3	3	3	3	3	3	3
BA-HR22.2	3	3	3	2.75	3	3	3
BA-HR22.3	3	3	3	3	3	2.75	3
BA-HR22.4	3	2.75	3	3	3	2.75	3
BA-HR22.5	3	2.75	3	2.75	3	2.75	3
BA-HR22.6	3	3	3	3	3	2.75	3
BA-HR22.7	3	3	3	3	3	2.75	3
Average	3	2.93	3	2.92	3	2.82	3

**Class: B.A-2nd Year****Semester-III****Subject-History (BA-HR23)****Paper- Political History of India (1526 – 1857 A.D.)**

<b>Sr. No.</b>	<b>Course Outcomes</b>
CO1	Students will be able to understand that with the decline of Delhi Sultanate there emerged a new state in India under the Mughals which was based on mangoliayan and Indian political system.
CO2	Students will get the understanding of the administrative reforms of Sher shah Suri
CO3	Students will be able to understand that Akbar Consolidated and Extended the Mughal State to their liberal and secular policies and administration of Mughals with special reference to Land Revenue System.
CO4	Students would have to understand Mughal emperor Aurangzeb policy was the cause for the decline of Mughal state.
CO5	Students will able to understand that the reason for the rivalry between French and British was to achieve mercantile supremacy in India and also to save their imperial interest.
CO6	Students would have to understand British expanded their empire in India to achieve their economic interest.
CO7	Students would have to understand that 1857was the First War of Indian Independence.

**CO-PO Mapping Matrix for Course Code : BA-HR23**

<b>Cos#</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>
BA-HR23.1	3	2.75	3	2.75	3	3	3	2.75	3
BA-HR23.2	3	3	3	2.75	3	2.75	2.75	3	3
BA-HR23.3	3	3	3	3	2.75	2.75	3	3	2.75
BA-HR23.4	3	3	3	3	3	3	3	2.75	3
BA-HR23.5	3	2.75	3	2.75	3	2.75	3	2.75	3
BA-HR23.6	3	3	3	3	2.75	2.75	3	3	3
BA-HR23.7	3	3	3	3	2.75	2.75	3	3	3
Average	3	2.93	3	2.89	2.89	2.82	2.96	2.89	2.96

**CO-PSO Mapping Matrix for Course Code : BA-HR23**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7
BA-HR23.1	3	3	3	3	3	3	3
BA-HR23.2	3	3	3	2.75	3	3	3
BA-HR23.3	3	2.75	3	3	2.75	2.75	3
BA-HR23.4	3	3	3	3	3	3	3
BA-HR23.5	3	2.75	3	3	2.75	3	2.75
BA-HR23.6	3	3	3	2.75	3	3	3
BA-HR23.7	3	3	3	3	2.75	3	3
Average	3	2.93	3	2.93	2.89	2.96	2.96

<b>Class: B.A-2nd Year</b>		<b>Semester-IV</b>
<b>Subject-History (BA-HR24)</b>		
<b>Paper-Indian National Movement</b>		
<b>Sr. No.</b>	<b>Course Outcomes</b>	
CO1	They will be able to understand that after 1857 uprising process of making India as a nation was started because after 1857, Indian Nationalist became aware about the nature of colonial state and British exploited policies.	
CO2	They will be able to understand that Indian National Congress was a symbol of rise of Nationalism in India.	
CO3	They will understand that Indian Nationalism had many different dimensions which emerged with the passage of time during the Indian National Movement, but the main aim of these dimensions was to achieve India's Independence.	
CO4	They will realize that British used the Divide and Rule Policy in India to safeguard their imperial interests.	
CO5	They will be able to understand that the rise of Communalism in India was a cause of Political interests of distinct communities.	
CO6	They will acquire the knowledge that Gandhi's struggle was not only against the British State but also included Indian Social, Economic and political system.	
CO7	They will know about how Gandhi used Non-Violence theory against British State for the Freedom of India.	

<b>CO-PO Mapping Matrix for Course Code : BA-HR24</b>									
<b>Cos#</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>
BA-HR24.1	3	3	3	3	3	2.75	3	3	2.50
BA-HR24.2	3	3	3	3	3	3	3	3	3
BA-HR24.3	3	3	2.75	3	2.75	3	2.75	3	3
BA-HR24.4	3	3	2.75	3	2.75	3	3	2.75	3
BA-HR24.5	3	3	3	3	3	3	3	3	2.75
BA-HR24.6	3	3	3	3	3	3	3	3	3
BA-HR24.7	3	3	2.75	3	3	2.75	3	3	3
Average	3	3	2.89	3	2.93	2.93	2.96	2.96	2.89

<b>CO-PSO Mapping Matrix for Course Code : BA-HR24</b>							
<b>Cos#</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>
BA-HR24.1	3	3	3	3	3	3	3
BA-HR24.2	3	3	3	3	3	3	3
BA-HR24.3	3	3	2.75	2.75	2.75	3	3
BA-HR24.4	3	3	3	3	2.75	3	2.75
BA-HR24.5	3	3	3	3	3	2.75	2.75
BA-HR24.6	3	3	2.75	2.75	3	3	3
BA-HR24.7	3	3	3	2.75	3	3	2.75
Average	3	3	2.93	2.89	2.93	2.96	2.89

<b>Class: B.A-3rd Year</b>		<b>Semester-V</b>
<b>Subject-History (BA-HR25)</b>		
<b>Paper-Rise of Modern World</b>		
<b>Sr. No.</b>	<b>Course Outcomes</b>	
CO1	Students will be able to understand the process of making of Modern Europe that started in the 15-16 century, which was cause of transition from feudalism to capitalism in Europe and emergence of Renaissance and Reformation.	
CO2	Students will be able to understand the shifting of economic balance from Mediterranean to Atlantic region. And how Mercantile Revolution was considered as an early stage of capitalism in Europe.	
CO3	Students would have to understand that Scientific Revolution was given a new light and approach to understand things and to give solutions to the problems related to life	
CO4	Students would have to understand that with the Revolution of 1688, the process of liberalism in England and Europe started which was one of the reason of Democratic system in Europe	
CO5	Students will able to understand with the coming up of the Industrial Revolution, the second stage of capitalism started in Europe and World.	
CO6	Students would have to understand with Agriculture Revolution, the commercialization of Agriculture developed in Europe and World.	
CO7	Students would have to understand that after the making of Modern Europe there was the emergence of global economy in the World.	

<b>CO-PO Mapping Matrix for Course Code : BA-HR25</b>									
<b>Cos#</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>
BA-HR25.1	3	3	3	3	3	3	3	3	2.75
BA-HR25.2	3	3	3	2.75	3	3	3	3	2.75
BA-HR25.3	3	3	3	3	2.75	3	3	3	2.75
BA-HR25.4	3	2.75	3	3	3	2.75	3	3	3
BA-HR25.5	3	3	3	2.75	3	3	2.75	3	3
BA-HR25.6	3	3	3	3	3	3	3	3	2.75
BA-HR25.7	3	3	2.75	3	3	3	3	2.75	3
Average	3	2.96	2.96	2.93	2.96	2.96	2.96	2.96	2.86

**CO-PSO Mapping Matrix for Course Code : BA-HR21**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7
BA-HR25.1	3	3	3	3	3	3	3
BA-HR25.2	3	3	3	3	3	3	3
BA-HR25.3	3	2.75	2.75	3	3	3	3
BA-HR25.4	3	3	2.75	3	2.75	3	3
BA-HR25.5	3	3	2.75	3	3	3	3
BA-HR25.6	3	2.75	3	3	3	3	3
BA-HR25.7	3	3	2.75	3	3	3	3
Average	3	2.93	2.86	3	2.96	3	3

**Class: B.A-3rd Year**

**Semester-VI**

**Subject-History (BA-HR26)**


**Paper-Modern World**

<b>Sr. No.</b>	<b>Course Outcomes</b>
CO1	Students will be able to understand the process of making of Modern Europe that started in the 15-16 century, which was cause of transition from feudalism to capitalism in Europe and emergence of Renaissance and Reformation.
CO2	Students will be able to understand that Mercantile Revolution was early stage of capitalism in Europe.
CO3	Students would have to understand that Scientific Revolution was given a new light and approach to understand things and to give solutions to the problems related to life
CO4	Students would have to understand that with the Revolution of 1688, the process of liberalism in England and Europe started which was one of the reason of Democratic system in Europe
CO5	Students will able to understand with the coming up of the Industrial Revolution, the second stage of capitalism started in Europe and World and how with Agriculture Revolution, the commercialization of Agriculture developed in Europe and World.
CO6	Students will able to understand American War of Independence was a cause of Imperial interest and French Revolution was for democracy
CO7	Students would have to understand the cause of World War-I, Paris Peace Settlement, Russian Revolution and their consequences
CO8	Students will get to know about the dictatorships- Fascism and Nazism and the cause of World War II with its impact on the social out comings



CO-PO Mapping Matrix for Course Code : BA-HR26									
Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
BA-HR26.1	3	3	3	3	3	3	2.75	3	3
BA-HR26.2	3	3	3	3	3	2.75	3	3	2.75
BA-HR26.3	3	3	2.75	2.75	3	2.75	3	3	2.75
BA-HR26.4	3	2.75	3	3	3	2.75	3	2.75	3
BA-HR26.5	3	3	3	3	3	2.75	2.75	3	3
BA-HR26.6	3	3	3	3	3	2.75	3	3	2.75
BA-HR26.7	3	3	2.75	2.75	3	3	3	3	3
BA-HR26.8	3	3	3	3	3	3	3	3	3
Average	3	2.96	2.94	2.94	3	2.84	2.94	2.96	2.91

CO-PSO Mapping Matrix for Course Code : BA-HR26							
Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7
BA-HR26.1	3	3	2.75	3	3	3	3
BA-HR26.2	3	3	2.75	3	2.75	3	3
BA-HR26.3	3	2.75	2.75	3	3	3	2.75
BA-HR26.4	3	3	2.75	3	3	3	3
BA-HR26.5	3	3	2.75	3	3	3	3
BA-HR26.6	3	3	3	3	3	3	3
BA-HR26.7	3	3	3	3	3	3	3
BA-HR26.8	3	3	3	3	3	3	3
Average	3	2.96	2.84	3	2.96	3	2.96

  
 Principal  
 Dyal Singh College  
 KARNAL

# **Department of Mathematics**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

## B.A./ B.Sc. with Mathematics

### Program Outcomes (PO) for Under Graduate Programme in the Faculty of Sciences, Dyal Singh College, Karnal

<b>PO1</b>	Knowledge	Capable of acquiring comprehensive subject knowledge to compete globally
<b>PO2</b>	Communication	To have effective communication skills with their peers , society around them and the scientific community
<b>PO3</b>	Problem Solving	To be able to solve scientific and other Mathematical problems
<b>PO4</b>	Individual and Team Work	Capable of working effectively and efficiently as an individual, as a member or a leader in diverse teams in multidisciplinary areas
<b>PO5</b>	Investigation of Problems	To be able to develop critical thinking, logical and analytical reasoning and research based knowledge, design of experiments, analysis and data interpretation to reach logical conclusions
<b>PO6</b>	Modern Tool usage	Ability to learn techniques, skills and modern tools and apply them in various areas of Science and Mathematics
<b>PO7</b>	Science and Society	Ability to apply reasoning and critical thinking to assess the different issues related to world and discharging their responsibilities towards the society
<b>PO8</b>	Life-Long Learning	To gain natural liking to apply knowledge and skills required to keep learning process on throughout the life
<b>PO9</b>	Environment and Sustainability	Ability to have awareness of and able to develop solution oriented approach towards various social and environmental issues, understand the importance of sustainable development and contribute in sustainable environment
<b>PO10</b>	Ethics	Apply and adhere to ethical principles, professional responsibilities in scientific practices and discharging duties in serving the world
<b>PO11</b>	Project Management	Ability to apply knowledge and understanding of the scientific principles and apply these to manage various projects in Science and Mathematics

### Program Specific Outcomes (PSO)

After successful completion of the programme, a student will be able to:

<b>PSO1</b>	Have basic understanding and knowledge in different core areas of Mathematics such as Algebra, Real analysis, Calculus, Differential Equations, Statics, Dynamics and Numerical Analysis. Develop thinking in a critical way. Demonstrate and to be able to effectively use that information to find the solution of problems at hand
<b>PSO2</b>	Gain a good knowledge of Mathematical concepts and develop the mathematical reasoning, knowledge, critical thinking, skills and aptitude for pursuing high quality research in Mathematics. Understand, formulate and use quantitative models
<b>PSO3</b>	Inculcate problem solving skills, creative talent and power of communication necessary for various kinds of employment and have good and effective communication by presentation, written, computational and graphical means
<b>PSO4</b>	Inculcate a new perspective to look at problems from scientific point of view and enabling them to pursue higher studies at post-graduate and research level. Enhance their employability in government/private sectors, jobs in banking/insurance and investment sectors

## BM-111 ALGEBRA

**Course objectives:** The aim of this course is to study the concepts of Algebra.

**Course outcomes:** This course will enable the student to:

BM-111.1 Understand the basic concepts of symmetric, skew symmetric, Hermitian and skew Hermitian matrices. Determine rank of a matrix, inverse, eigen values, eigen vectors and the characteristic equations of matrices. Understand linear independence and dependence of vectors and to solve related problems.

BM-111.2 Find the solutions of Homogenous and non homogeneous system of linear equations using matrices. Know about unitary and orthogonal matrices and to solve related problem.

BM-111.3 Determine relations between the roots of and coefficients of polynomial equations. Identify Common and multiple roots.

BM-111.4 Applications of Descartes's rule of sign. Solve cubic and biquadratic equations. Solve practical problem of cubic equations by Cardon's method and biquadratic equations by Ferrari's method.

### CO-PO Mapping matrix for course code: BM-111: ALGEBRA

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-111.1	3	3	3	3	3	2	2	2	2	2	2
BM-111.2	3	3	3	3	3	2	3	2	2	2	3
BM-111.3	3	3	3	3	3	2	3	3	2	2	2
BM-111.4	3	3	3	3	3	2	2	3	2	2	3
Average	3	3	3	3	3	2	2.5	2.5	2	2	2.5

### CO-PSO Mapping matrix for course: BM-111: ALGEBRA

Cos	PSO1	PSO2	PSO3	PSO4
BM-111.1	3	3	3	3
BM-111.2	3	3	3	3
BM-111.3	3	3	3	3
BM-111.4	3	3	3	3
Average	3	3	3	3

## BM-112 : CALCULUS

**COURSE OBJECTIVE:** The aim of this course is to study the fundamental concepts of calculus.

**Course outcomes:** At the end of this course, the students will be able to :

- BM-112.1 Familiarize with the basic concepts of limit, continuity and differentiability; successive differentiation of functions and series expansions.
- BM-112.2 Understand the concepts of asymptote, curvature, evolute and involute of a curve, their geometrical meanings and to solve related problems; determine singular points of a curve and their types.
- BM-112.3 Learn about the tracing of curves and their rectification; Reduction formulae.
- BM-112.4 Understand the concepts of quadrature and compute the area bounded by closed curves, volumes and surface areas of solids formed by revolution of curves.

### CO-PO Mapping Matrix for Course Code: BM-112: CALCULUS

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-112.1	3	3	3	3	2	3	2	3	2	2	2
BM-112.2	3	3	3	2	3	2	2	3	2	2	3
BM-112.3	3	3	3	2	3	3	3	3	2	2	2
BM-112.4	3	3	3	3	3	2	3	3	2	2	2
Average	3	3	3	2.5	2.75	2.5	2.5	3	2	2	2.25

### CO-PSO Mapping Matrix for Course Code: BM-112: CALCULUS

Cos	PSO1	PSO2	PSO3	PSO4
BM-112.1	3	3	3	3
BM-112.2	3	3	3	3
BM-112.3	3	3	3	3
BM-112.4	3	3	3	3
Average	3	3	3	3

## BM –113 : SOLID GEOMETRY

**Course Objective:** To understand the concepts & advance topics related to two & three dimensional geometry.

**Course Outcomes:** At the end of this course, students will be able to:

- BM-113.1 Learn about General equation of second degree. Tracing of conics, Polar equation of a conic, tangent and normal to the conic.
- BM-113.2 Know about Co-axial system of spheres Cones. Right circular cone, enveloping cone and reciprocal cone. Cylinder: Right circular cylinder and enveloping cylinder

BM-113.3 Identify Central Conicoids ,Equation of tangent plane, Director sphere.  
 BM-113.4 Know Confocal conicoid, Reduction of second degree equations.

**CO-PO Matrix : BM – 113 : SOLID GEOMETRY**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>BM – 113.1</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM – 113.2</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM – 113.3</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM – 113.4</b>	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>

**CO-PSO matrix :BM – 113 : SOLID GEOMETRY**

Cos	PSO1	PSO2	PSO3	PSO4
<b>BM – 113.1</b>	3	3	3	3
<b>BM – 113.2</b>	3	3	3	3
<b>BM – 113.3</b>	3	3	3	3
<b>BM – 113.4</b>	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

**BM-121: NUMBER THEORY AND TRIGNOMETRY**

**COURSE OBJECTIVE:** The aim of this course is to study the concepts of number theory and trigonometry.

**Course outcomes:** This course will enable the students to:

- BM-121.1 Understand the basis concepts of number theory and their applications in problem solving. Prove Fermat and Wilson’s theorems and their applications.
- BM-121.2 Learn complete Residue system and Reduced Residue system modulo m.

- Prove Chinese remainder theorem and their applications. Know about Quadratic residues.
- BM-121.3 Prove De -Moivre's theorem and their applications. Understand the direct circular and hyperbolic functions and their properties.
- BM-121.4 Know about the summations of trigonometric series and its problem. Understand the inverse circular and hyperbolic functions and its properties.

**CO-PO Mapping matrix for course code: BM-121: NUMBER THEORY AND TRIGONOMETRY**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-121.1	3	3	3	3	3	3	2	2	2	2	3
BM-121.2	3	3	3	3	3	3	3	3	2	2	2
BM-121.3	3	3	3	3	3	3	2	3	2	2	3
BM-121.4	3	3	3	3	3	3	2	3	2	2	3
Average	3	3	3	3	3	3	2.25	2.75	2	2	2.75

**CO-PSO Mapping matrix for course: BM-121: NUMBER THEORY AND TRIGONOMETRY**

Cos	PSO1	PSO2	PSO3	PSO4
BM-121.1	3	3	3	3
BM-121.2	3	3	3	3
BM-121.3	3	3	3	3
BM-121.4	3	3	3	3
Average	3	3	3	3

**BM-122: ORDINARY DIFFERENTIAL EQUATIONS**

**COURSE OBJECTIVE:** The aim of this course is to study the concepts of ordinary differential equations.

**Course outcomes :** This course will enable the student to:

- BM-122.1 Understand the basic concepts of ordinary differential equations, exact differential equations and to learn various techniques of finding the solutions of first order differential equations.
- BM-122.2 Develop the skills of solving homogenous linear ordinary differential equations with constant co-efficient.
- BM122.3 Know about the linear differential equations of second order and their solutions using different methods. Develop skills of solving ODEs.
- BM-122.4 Learn about ordinary simultaneous ordinary differential equations, total differential equations and their solutions.



**CO-PO Mapping matrix for course code: BM-122: ORDINARY DIFFERENTIAL EQUATIONS**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-232.1	3	3	3	3	3	3	3	3	2	2	3
BM-232.2	3	3	3	3	3	3	3	3	2	2	3
BM-232.3	3	3	3	3	3	3	3	3	2	2	3
BM-232.4	3	3	3	3	3	3	3	3	2	2	3
Average	3	3	3	3	3	3	3	3	2	2	3

**CO-PSO Mapping matrix for course: BM-122: ORDINARY DIFFERENTIAL EQUATIONS**

Cos	PSO1	PSO2	PSO3	PSO4
BM-232.1	3	3	3	3
BM-232.2	3	3	3	3
BM-232.3	3	3	3	3
BM-232.4	3	3	3	3
Average	3	3	3	3

**BM-123: VECTOR CALCULUS**

**COURSE OBJECTIVE:** The aim of this course is to study the concepts of vector calculus.

**Course Outcomes:** At the end of this course, the student will be able to:

- BM-123.1 Learn the concepts of scalar and vector product of vectors and solve related problems. Understand directional derivatives, vector differentiation and scalar and vector valued functions.
- BM-123.2 Know about gradient, divergence and curl operators. Use these operators in problem solving.
- BM-123.3 Learn about the various conditions for orthogonality and also gradient, divergence, curl and Laplacian operators in terms of orthogonal curvilinear co-ordinates.
- BM-123.4 Understand vector integration, line integral, surface integral and volume integral and proof of related theorems and solve problems based on these.

**CO-PO Mapping Matrix for Course Code: BM-123: VECTOR CALCULUS**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-123.1	3	3	3	3	3	2	2	3	2	2	2
BM-123.2	3	3	3	2	3	2	2	3	2	2	2
BM-123.3	3	3	3	2	3	3	2	3	2	2	2
BM-123.4	3	3	3	2	3	3	2	3	2	2	2
Average	3	3	3	2.25	3	2.5	2	3	2	2	2

**CO-PSO Mapping Matrix for Course Code: BM- 123: VECTOR CALCULUS**

COs	PSO1	PSO2	PSO3	PSO4
BM-123.1	3	3	3	3
BM-123.2	3	3	3	3
BM-123.3	3	3	3	3
BM-123.4	3	3	3	3
Average	3	3	3	3

**BM-231: ADVANCED CALCULUS**

**Course Objectives :** The aim of this course is to study concepts of Advanced Calculus.

**Course Outcomes:** This course will enable the students to:

BM-231.1 Understand the concepts of Rolle’s Theorem, Mean Value Theorem and their geometrical interpretations. To determine indeterminate forms.

BM-231.2 Learn concepts of limit, continuity, partial differentiation of functions of two variables. To understand composite functions, homogeneous functions and to solve related problems.

BM-231.3 Understand differentiability of real valued functions of two variables and to prove associated results. To determine maximum and minimum of functions of two variables and to apply multivariable calculus in optimization problems.

BM-231.4 Learn to find locus of spherical curvature, involutes, evolutes, Tangent planes, one parameter family of surfaces, Envelopes.

**CO-PO Mapping Matrix for Course Code: BM-231: ADVANCED CALCULUS**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-231.1	3	3	3	3	3	2	2	3	2	2	2
BM-231.2	3	3	3	2	3	2	2	3	2	2	2
BM-231.3	3	3	3	2	3	3	2	3	2	2	2
BM-231.4	3	3	3	2	3	3	2	3	2	2	2
Average	3	3	3	2.25	3	2.5	2	3	2	2	2

**CO-PSO Mapping Matrix for Course Code: BM- 231: ADVANCED CALCULUS**

Cos	PSO1	PSO2	PSO3	PSO4
BM-231.1	3	3	3	3
BM-231.2	3	3	3	3
BM-231.3	3	3	3	3
BM-231.4	3	3	3	3
Average	3	3	3	3

## BM-232: PARTIAL DIFFERENTIAL EQUATIONS

**COURSE OBJECTIVE:** The aim of this course is to study the concepts of partial differential Equations.

**Course outcomes:** This course will enable the students to:

- BM-232.1 Understand the basic concepts of partial differential equations. Learn methods and techniques for solving linear and non linear PDEs of first order. Understand compatible systems and charpit's method, Jacobi's methods for solving PDEs.
- BM-232.2 Learn techniques of solving second and higher order PDEs.
- BM-232.3 Learn classification and canonical forms of second order linear PDEs and methods of solving those. Apply Monge's method to solve the problems for second order PDEs. Attain skills to reduce PDEs into canonical form.
- BM-232.4 Find characteristics of second order PDEs and Cauchy's problem. Learn methods of separation of variables: solutions of Laplace's, Wave and Heat equations in Cartesian coordinate system.

### CO-PO Mapping matrix for course code: BM-232: PARTIAL DIFFERENTIAL EQUATIONS

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-232.1	3	3	3	3	3	3	3	3	2	2	3
BM-232.2	3	3	3	3	3	3	3	3	2	2	3
BM-232.3	3	3	3	3	3	3	3	3	2	2	3
BM-232.4	3	3	3	3	3	3	3	3	2	2	3
Average	3	3	3	3	3	3	3	3	2	2	3

### CO-PSO Mapping matrix for course: BM-232: PARTIAL DIFFERENTIAL EQUATIONS

Cos	PSO1	PSO2	PSO3	PSO4
BM-232.1	3	3	3	3
BM-232.2	3	3	3	3
BM-232.3	3	3	3	3
BM-232.4	3	3	3	3
Average	3	3	3	3

### BM-233 : Statics

**Course Objective :** To analyze forces and moments in two and three dimensions due to concentrated and distributes forces in various systems.

**Course Outcomes:** At the end of this course, students will be able to learn:

BM-233.1 Composition and resolution of forces. Parallel forces. Moments and Couples.

BM-233.2 Analytical conditions of equilibrium of coplanar forces. Friction. Centre of Gravity.

BM-233.3 Virtual work. Forces in three dimensions. Poinots central axis.

BM-233.4 Wrenches. Null lines and planes. Stable and unstable equilibrium

#### CO-PO matrix : BM -233 : Statics

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM -233.1	3	3	3	3	3	3	3	3	2	2	3
BM -233.2	3	3	3	3	3	3	3	3	2	2	3
BM -233.3	3	3	3	3	3	3	3	3	2	2	3
BM -233.4	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>

#### CO-PSO matrix: BM -233 : Statics

Cos	PSO1	PSO2	PSO3	PSO4
BM -233.1	3	3	3	3
BM -233.2	3	3	3	3
BM -233.3	3	3	3	3
BM -233.4	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

## Course: BM-241: Sequence and Series

**Course objective:** The objective of this course is to study concepts of sequence and series.

**Course outcomes:** This course will enable the students to:

BM-241.1 Study basic concepts of boundedness of set of real numbers, neighbourhoods of a point, interior points, limit points, closure points, open sets, closed sets, compact sets, results related to these concepts.

BM-241.2 Study concept of real sequences, their limits, boundedness, monotone, convergence and divergence behavior, subsequences, Cauchy sequences, theorem related to these concepts.

BM-241.3 Study the convergence and divergence behavior of Infinite series using comparison tests, p-test and other tests.

BM-241.4 Study the convergence, absolute, conditional and divergence behavior of alternating series, arbitrary series. Understand the re-arrangement of terms in series and related theorems.

### CO-PO matrix for the course BM-241 : Sequence and Series

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-241.1	3	3	3	2	3	2	2	3	2	2	2
BM-241.2	3	3	3	2	3	2	2	3	2	2	3
BM-241.3	3	3	3	2	3	2	2	3	2	2	3
BM-241.4	3	3	3	2	3	2	2	3	2	2	2
Average	3	3	3	2	3	2	2	3	2	2	2.5

**CO-PSO matrix for the course BM-241 : Sequence and Series**

<b>Cos</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>BM-241.1</b>	3	3	2	3
<b>BM-241.2</b>	3	3	2	3
<b>BM-241.3</b>	3	3	2	3
<b>BM-241.4</b>	3	3	2	2
<b>Average</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2.75</b>

**BM -242 : Special Functions and Integral Transforms**

**Course Objective:** To analyze properties of special functions by their integral representations.

**Course Outcomes:** At the end of this course, students will be able to learn:

BM.242.1: Power series method, Definitions of Beta and Gamma functions. Bessel equations and its solution: Bessel functions.

BM.242.2: Legendre and Hermite differentials equations and their solutions: Legendre and Hermite functions and their properties.

BM.242.3: Laplace transforms of derivatives and integrals, Differentiation and integration of Laplace transforms.

BM.242.4 Fourier transforms: Linearity property, Shifting, Modulation, Convolution Theorem, Fourier Transforms of Derivatives.

**CO-PO matrix: BM -242 : Special Functions And Integral Transforms**

<b>COs</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>BM -242.1</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM -242.2</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM -242.3</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM -242.4</b>	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>

### CO-PSO matrix: BM -242 : Special Functions And Integral Transforms

Cos	PSO1	PSO2	PSO3	PSO4
BM -242.1	3	3	3	3
BM -242.2	3	3	3	3
BM -242.3	3	3	3	3
BM -242.4	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

### BM-243 : Programming in C and Numerical methods (Theory)

**Course objective:** The objective of this course is to develop skills to solve real time practical problems by using Programming in C and Numerical methods.

**Course Outcomes:** This course will enable the students to:

BM-243.1 Learn algorithms and flow chart corresponding to practical problems, C programming language, character set of C language, data types, constants and variables, operations, operators, expressions, Input / Output functions, tools to write basis programs in C.

BM-243.2 Learn decision making statements, logical and conditional statements, loop structures, arrays, functions and preprocessors. Learn tools to write C programs which involve decision making statements, loop structures, arrays and functions.

BM-243.3 Learn character data types of strings, built-in functions to handle strings, structures and pointers and use of structure and pointers with arrays and functions. Learn tools to write programs related to practical problems involving use of strings, pointers and structures.

BM-243.4 Learn numerical methods to find the roots of algebraic and transcendental equations in single variable and to find the solution of system of algebraic equations. Implementation of these numerical methods to solve practical problems.

**CO-PO matrix for the course BM-243: Programming in C and Numerical methods (Theory)**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>BM-243.1</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-243.2</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-243.3</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-243.4</b>	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>

**CO-PSO matrix for the course BM-243: Programming in C and Numerical methods(Theory)**

Cos	PSO1	PSO2	PSO3	PSO4
<b>BM-243.1</b>	3	3	3	3
<b>BM-243.2</b>	3	3	3	3
<b>BM-243.3</b>	3	3	3	3
<b>BM-243.4</b>	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

**BM-243: Programming in C and Numerical methods (Practicals)**

**Course objective:** The objective of this course is to provide skill to students to develop programs in C language to solve real life practical problems.

**Course Outcomes:** This course will enable the students to:

BM-243.1 Develop understanding of syntax and structure of simple programs in C.

BM-243.2 Attain skills of writing codes in the C programming language.

BM-243.3 Learn to write programs in the programming language C.

BM-243.4 Learn to run and debug programs in C for different mathematical and other practical problems of daily or scientific use.

**CO-PO matrix for the course BM-243 : Practical**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>BM-243.1</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-243.2</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-243.3</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-243.4</b>	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>



**CO-PSO matrix for the course BM-243 : Programming in C and Numerical methods (Practicals)**

<b>Cos</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
<b>BM-243.1</b>	3	3	3	3
<b>BM-243.2</b>	3	3	3	3
<b>BM-243.3</b>	3	3	3	3
<b>BM-243.4</b>	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

**BM-351: Real Analysis**

**Course objective:** The objective of this course is to provide knowledge of Riemann integration, improper integrals and metric space concepts.

**Course Outcomes:** This course will enable the students to:

- BM-351.1 Understand the concept of Riemann integration theory, conditions of integrability. Learn Fundamental theorem and Mean Value theorems of integral calculus.
- BM-351.2 Study convergence and divergence behavior of Improper integrals using basic definitions and various tests.
- BM-351.3 Learn the concepts of metric spaces, subspaces, limit points, interior points, open and closed sets, sequences and theorems related to these concepts.
- BM-351.4 Study the concepts of continuity, uniform continuity, compactness and connectedness in metric spaces.

**CO-PO matrix for the course BM-351: Real Analysis**

<b>Cos</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>
<b>BM-351.1</b>	3	3	3	3	3	2	2	3	2	2	2
<b>BM-351.2</b>	3	3	3	3	3	3	3	2	2	2	3
<b>BM-351.3</b>	3	3	3	3	3	2	2	2	2	2	2
<b>BM-351.4</b>	3	3	3	2	3	2	2	3	2	2	2
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2.75</b>	<b>3</b>	<b>2.25</b>	<b>2.25</b>	<b>2.5</b>	<b>2</b>	<b>2</b>	<b>2.25</b>

**CO-PSO matrix for the course BM-351: Real Analysis**

Cos	PSO1	PSO2	PSO3	PSO4
BM-351.1	3	3	2	2
BM-351.2	3	3	2	2
BM-351.3	3	3	2	2
BM-351.4	3	3	2	2
Average	3	3	2	2

**BM-352: GROUPS AND RINGS**

**Course Objective :** The aim of this course is to study concepts of Groups and Rings.

**Course Outcomes:** The course will enable the students to:

BM-352.1 Recognize the mathematical objects called groups, their elementary properties, order of a group, subgroup, cyclic groups and their properties, normal subgroup, Quotient groups.

BM-352.2 Understand the concepts of homomorphisms, isomorphisms to prove related Theorems.

BM-352.3 Familiarize about ring, subring, integral domain, field , ideal , Quotient ring and related results.

BM-352.4 Study Euclidean rings, Polynomial rings, Polynomials over the rational field and Unique Factorization Domain.

**CO-PO matrix for the course BM-352:Groups and Rings**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-352.1	3	3	3	2	3	3	2	3	2	2	2
BM-352.2	3	3	3	3	2	2	3	3	2	2	3
BM-352.3	3	3	3	3	2	2	2	3	2	2	2
BM-352.4	3	3	3	2	3	3	3	3	2	2	3
Average	3	3	3	2.5	2.5	2.5	2.5	3	2	2	2.5

**CO-PSO matrix for the course BM-352: Groups and Rings**

Cos	PSO1	PSO2	PSO3	PSO4
BM-352.1	3	3	2	2
BM-352.2	3	3	3	3
BM-352.3	3	3	2	3
BM-352.4	3	3	3	3
Average	3	3	2.5	2.75

### BM-353: Numerical Analysis (Theory)

**Course objective:** The objective of this course is to provide the skills to students to solve the real life practical problems using numerical methods.

**Course Outcomes:** This course will enable the students to:

BM-353.1 Learn the effects of errors in a tabular values, finite difference operators, numerical methods to study practical problems related to concepts of interpolation and extrapolation.

BM-353.2 Attain numerical skills to find solutions of system of linear equations by different methods.

BM-353.3 Study different Central difference interpolation methods to find values of functions and their derivatives and their use in solving practical problems.

BM-353.4 Learn numerical methods for evaluating integrals and solving differential equations and to develop skills of applying these methods for further use in scientific problems.

#### CO-PO matrix for the course BM-353 : Numerical Analysis(Theory)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>BM-353.1</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-353.2</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-353.3</b>	3	3	3	3	3	3	3	3	2	2	3
<b>BM-353.4</b>	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>

#### CO-PSO matrix for the course BM-353 : Numerical Analysis (Theory)

	PSO1	PSO2	PSO3	PSO4
<b>BM-353.1</b>	3	3	3	3
<b>BM-353.2</b>	3	3	3	3
<b>BM-353.3</b>	3	3	3	3
<b>BM-353.4</b>	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

### Course BM-353: Numerical Analysis (Practicals)

**Course objective:** The objective of this course is to demonstrate numerical methods using C language.

**Course Outcomes:** This course will enable the students to:

BM-353.1 Learn to write codes in C language efficiently and skillfully to demonstrate numerical methods.

BM-353.2 Apply numerical methods to obtain solution to mathematical problems.

BM-353.3 Solve scientific problems by applying numerical techniques in C programming language.

BM-353.4 Write and execute programs of numerical methods in C.

#### CO-PO matrix for the course BM-353 : Numerical Analysis(PRACTICAL)

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-353.1	3	3	3	3	3	3	3	3	2	2	3
BM-353.2	3	3	3	3	3	3	3	3	2	2	3
BM-353.3	3	3	3	3	3	3	3	3	2	2	3
BM-353.4	3	3	3	3	3	3	3	3	2	2	3
Average	3	3	3	3	3	3	3	3	2	2	3

#### CO-PSO matrix for the course BM-353 : Numerical Analysis (PRACTICAL)

Cos	PSO1	PSO2	PSO3	PSO4
BM-353.1	3	3	3	3
BM-353.2	3	3	3	3
BM-353.3	3	3	3	3
BM-353.4	3	3	3	3
Average	3	3	3	3

### BM- 361: REAL AND COMPLEX ANALYSIS

**COURSE OBJECTIVE:** The aim of this course is to study the concepts of real and complex analysis.

**Course Outcomes:** At the end of this course, the students will be able to:

BM-361.1 : Familiarize with the concepts of Jacobians, Beta and Gamma functions, double and triple integrals, Dirichlet's integral, change the order of integration and solve related problems.

BM-361.2 : Learn the concepts of fourier series, properties of fourier coefficients, parseval's identity.

BM-361.3: Know about stereographic projection of complex numbers, continuity and differentiability of complex functions, analytic functions, Cauchy-Riemann equations and harmonic functions.

BM-361.4 Understand the concepts of elementary functions, mobius transformations and critical mappings.

**CO-PO Mapping Matrix for Course Code: BM-361: REAL AND COMPLEX ANALYSIS**

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-361.1	3	3	3	3	3	2	2	3	2	2	2
BM-361.2	3	3	3	3	3	2	2	3	2	2	2
BM-361.3	3	3	3	3	3	2	2	3	2	2	2
BM-361.4	3	3	3	3	3	2	2	3	2	2	2
Average	3	3	3	3	3	2	2	3	2	2	2

**CO-PSO Mapping Matrix for Course Code: BM-361: REAL AND COMPLEX ANALYSIS**

Cos	PSO1	PSO2	PSO3	PSO4
BM-361.1	3	3	3	3
BM-361.2	3	3	3	3
BM-361.3	3	3	3	3
BM-361.4	3	3	3	3
Average	3	3	3	3

**BM-362: LINEAR ALGEBRA**

**COURSE OBJECTIVE:** The aim of this course is to study the concepts of Linear Algebra .

**Course Outcomes:** At the end of this course, the student will be able to:

BM-362.1 Understand the concepts of vector spaces, subspaces, linear span and dimension of a vector space, bases and their properties, quotient space, use of these concepts in problem solving.

BM-362.2 Learn the concepts of linear transformations on vector spaces to find out rank and Nullity, dual-spaces and to use these concepts for problems solving.

BM-362.3 Know about the matrix representation of a linear transformation and change of basis; Determine eigen values, eigen vectors, characteristic polynomial and minimal polynomial of a linear transformation and their further use in solutions of problems.

BM-362.4 Understand the concepts of inner product spaces, related theorems and orthogonalization process.

**CO-PO Mapping Matrix for Course Code: BM-362: LINEAR ALGEBRA**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM-362.1	3	3	3	3	2	2	2	2	2	2	2
BM-362.2	3	3	3	3	3	2	2	3	2	2	2
BM-362.3	3	3	3	2	3	2	2	2	2	2	2
BM-362.4	3	3	3	2	2	2	2	3	2	2	2
Average	3	3	3	2.5	2.5	2	2	2.5	2	2	2

**CO-PSO Mapping Matrix for Course Code: BM- 362: LINEAR ALGEBRA**

COs	PSO1	PSO2	PSO3	PSO4
BM-362.1	3	3	3	2
BM-362.2	3	3	3	3
BM-362.3	3	3	3	2
BM-362.4	3	3	3	3
Average	3	3	3	2.5

**Course: BM-363 : Dynamics**

**Course Objective:** Develop the kinematics of displacement, velocity and acceleration for systems of particles and rigid bodies.

**Course Outcomes:** At the end of this course, students will be able to learn:

BM-363.1 Velocity and acceleration along radial, transverse, tangential and normal directions. Relative velocity and acceleration.

BM-363.2 Mass, Momentum and Force. Newton's laws of motion. Work, Power and Energy.

BM-363.3 Motion on smooth and rough plane curves. Projectile motion of a particle in a plane. Vector angular velocity.


BM-363.4 General motion of a rigid body. Central Orbits, Kepler's laws of motion.

**CO-PO matrix:** BM-363 : Dynamics

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BM -363.1	3	3	3	3	3	3	3	3	2	2	3
BM -363.2	3	3	3	3	3	3	3	3	2	2	3
BM -363.3	3	3	3	3	3	3	3	3	2	2	3
BM -363.4	3	3	3	3	3	3	3	3	2	2	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>

**CO-PSO matrix : BM -363: Dynamics**

<b>Cos</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>
BM -363.1	3	3	3	3
BM -363.2	3	3	3	3
BM -363.3	3	3	3	3
BM -363.4	3	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

  
Principal  
Dyal Singh College  
KARNAL

# **Department of Political Science**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**



**Dyal Singh College, Karnal,  
Department of Political Science**

**Syllabus and Scheme of Examination for BA General (Political Science)**

Time : 03 Hours

Maximum Marks : 100 Marks

Theory : 80 Marks

Internal Assessment : 20 Marks, Division of Marks as given below:

Two Assignments: (5 marks for each assignment)  
One Class Test:25% (One Period Duration)

Attendance: 25%, Marks of attendance will be given as under:-

* 91 % onwards	: 05 Marks
* 81% to 90%	: 04 Marks
* 75% to 80%	: 03 Marks
* 70 % to 74%	: 02 Marks
* 65 % to 69%	: 01 Marks

**Scheme of examination of the Course along with  
POs, PSOs, COs and Mapping Matrix**

**PROGRAMME OUTCOMES (POs):**

**PO 1 KNOWLEDGE:** To evolve knowledge of political importance and to identify the factors and forces that shape the nature of social sciences which help to analyze the issues of human inquiry.

**PO 2 PROBLEM SOLVING:** Makes capable to identify and resolve the complex social and political problems through research methods using tools and techniques available in social sciences disciplines.

**PO 3 CRITICAL THINKING:** To analyze day to day problems of the society and evaluate specific policy proposals that are conducive to growth and development.

**PO 4 SCIENTIFIC ENQUIRY:** Use of techniques to describe and interpret the problems, formulation of concepts and

hypothesis, collect relevant data and interpret it.

**PO 5 USAGE OF ANALYTICAL TOOLS:** To apply appropriate quantitative/qualitative techniques available in social science disciplines including ICT tools and SPSS.

**PO 6 SPECIALIZATION AND EMPLOYABILITY:** To enhance greater understanding of social science disciplines. To employ special techniques and policy alternatives that can help to generate opportunities of employment.

**PO 7 INTERDISCIPLINARY KNOWLEDGE & ADAPTATION:** Working to integrate

the knowledge available in social sciences and to enhance the ability to synthesize the acquired knowledge in social sciences and other disciplines.

**PO 8 SELF DIRECTED LEARNING:** To develop the capacity to work independently and effectively in the contemporary circumstances.

**PO 9 ETHICS:** To apply ethical values and ideals which promotes awareness of current social and political issues.

**PO 10 LEADERSHIP:** To promote team work and lead others, setting examples and formulating vision for future.

**PO 11 COMMUNICATION:** Communicate generalizations, interpretations and implications clearly, concisely and effectively, both orally and in writing for different sets of audiences.

#### **PROGRAMME SPECIFIC OUTCOMES (PSOs):**

**PSO1** The students will be able to have an in depth understanding of theoretical and conceptual underpinnings of politics to examine political behavior.

**PSO2** The students will be able to develop the ability to comprehend and analyze political phenomena.

**PSO3** The students shall acquire the capacity to observe the politics through various perspectives.

**PSO4** The students will be able to comprehend and critically examine various institutions, issues, processes and challenges inherent in political system

**PSO5** The students shall be able to understand the international politics and the character of political institutions working in the country.

**Program: BA General (Political Science)**

**Ist Semester**

**UG POL 1- Indian Constitution**

Type: Core Course (CC)  
Course Credits: 03  
Contact Hours: 40 mins/lecture  
Examination Duration: 3 Hours  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 27  
Internal Maximum Marks: 20  
Total Max. Marks: 100  
Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** The aim of this course is to make students aware about the constitution of India and to equip them with knowledge of the functioning of Indian government.

**Course Outcomes:** At the end of this course, the student will have :

**UG POL 1.1-** knowledge of sources and characteristic feature of Indian Constitution

**UG POL 1.2-** knowledge of executive organ of Indian Government as provided in the constitution

**UG POL 1.3-** knowledge of legislative organs of Centre as well as State govt including law making procedure

**UG POL 1.4-** understanding of functions and recent debates regarding Indian judiciary

**CO-PO Mapping Matrix for Course Code: UG POL 1**

COS#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG POL I.1</b>	3	2	3	2	3	2	3	3	3	3	3
<b>UG POL 1.2</b>	3	3	2	3	3	3	2	3	3	3	3
<b>UG POL 1.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG POL 1.4</b>	3	3	3	3	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.75	2.75	2.75	2.5	2.75	2.75	2.75	2.75

**CO-PSO Mapping Matrix for Course Code: : UG POL 1**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG POL 1.1</b>	3	2	3	2	3
<b>UG POL 1.2</b>	2	3	3	3	2
<b>UG POL 1.3</b>	3	2	3	2	3
<b>UG POL 1.4</b>	2	3	2	3	3
Average	2.5	2.5	2.75	2.5	2.75

## Semester 2

### UG POL- 2 Indian Politics

Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
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**Course Objectives:** This course will enable students to comprehend and understand the dynamics of Indian politics by learning about various functional and practical aspects

**Course Outcomes:** Having studied this course, students will be able to :

**UG POL-2.1:** comprehend the functioning of federalism by focusing on the working of centre-state relations and emerging trends

**UG POL-2.2:** know about the electoral processes ranging from the functioning of election commission to various electoral reforms and challenges

**UG POL- 2.3:** understand party politics and working in Indian Politics

**UG POL- 2.4:** analyse the role of caste, language and regionalism in politics in India and ways to tackle the challenges arising from it

#### CO-PO Mapping Matrix for Course Code: UG POL 2

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG POL 2.1</b>	3	2	3	2	3	2	3	3	3	3	3
<b>UG POL 2.2</b>	3	3	2	3	3	3	2	3	3	3	3
<b>UG POL 2.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG POL 2.4</b>	3	3	3	3	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.75	2.75	2.75	2.5	2.75	2.75	2.75	2.75

<b>CO-PSO Mapping Matrix for Course Code: UG POL 2</b>					
<b>COS#</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>UG POL 2.1</b>	3	2	3	2	3
<b>UG POL 2.2</b>	2	3	3	3	2
<b>UG POL 2.3</b>	3	2	3	2	3
<b>UG POL 2.4</b>	2	3	2	3	3
Average	2.5	2.5	2.75	2.5	2.75

Semester -3

**UG POL-3 -INDIAN POLITICAL THINKERS-1**

Type: Core Course (CC)  
 Course Credits:03  
 Contact Hours: 40 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 27  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** The aim of this course is to make the students aware about different Indian political thinkers and their thoughts.

**Course Outcomes:** At the end of this course, the student will be able to:

- UG POL-3.1.** Analyze the social and political thought of Raja Ram Mohan Roy and Swami Dayanand Saraswati
- UG POL-3.2.** .understanding the thinkers Dada Bhai Naroji and Gopal Krishna Gokhle
- UG POL-3.3** Critically evaluate the idea of Swami Vivekanand and Aurbind Ghosh
- UG POL-3.4.** . understanding the extremist ideology of Bal Gangadhar Tilak and Lala Lajpat roy

**CO-PO Mapping Matrix for Course Code: UG POL-3**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG POL-3.1</b>	3	3	3	3	3	2	2	3	3	3	3
<b>UG POL-3.2</b>	3	3	3	3	3	2	2	3	3	3	3
<b>UG POL-3.3</b>	3	3	3	2	3	2	2	3	3	3	3
<b>UG POL-3.4</b>	3	3	3	3	3	2	2	3	3	3	3
Average	3	3	3	2.75	3	2	2	3	3	3	<b>3</b>

**CO-PSO Mapping Matrix for Course Code: UG POL-3**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG POL-3.1</b>	3	3	2	3	3
<b>UG POL-3.2</b>	3	2	3	2	3
<b>UG POL-3.3</b>	2	3	3	3	2
<b>UG POL-3.4</b>	3	3	3	3	3
Average	2.75	2.75	2.75	2.75	2.75

## Semester 4

### UG POL 4– India Political Thinkers- II

Type: Core Course (CC)  
Course Credits: 03  
Contact Hours: 40 mins/lecture  
Examination Duration: 3 Hours  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 27  
Internal Maximum Marks: 20  
Total Max. Marks: 100  
Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** This course aims to make students aware about different Indian political thinkers and thoughts

**Course Outcomes:** At the end of the semester, students will have knowledge of :

**UG POL 4.1:** ideas of J.P. Narayan and Ram Manohar Lohia

**UG POL 4.2:** thoughts of Mahatama Gandhi and M.N. Roy

**UG POL 4.3:** thoughts of Jawaharlal Nehru and B.R, Ambedkar

**UG POL 4.4:** thoughts of Subhash Chander Bose and Bhagat Singh



<b>CO-PO Mapping Matrix for Course Code: UG POL 4</b>											
COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG POL 4.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG POL 4.2</b>	3	3	3	3	3	3	2	3	3	1	2
<b>UG POL 4.3</b>	2	3	3	3	2	3	3	1	2	3	2
<b>UG POL 4.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	3	3	2.5	2.75	2.75	2.5	2	2.75	2.25	2.5

<b>CO-PSO Mapping Matrix : UG POL 4</b>					
COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG POL 4.1</b>	3	2	1	2	3
<b>UG POL 4.2</b>	2	3	3	3	2
<b>UG POL 4.3</b>	3	3	3	3	3
<b>UG POL 4.4</b>	2	3	2	3	1
Average	2.5	2.75	2.25	2.75	2.25

Semester -5

**UG POL 5– Comparative Politics (Theory)**

Type: Core Course (CC)  
Course Credits: 03  
Contact Hours: 40 mins/lecture  
Examination Duration: 3 Hours  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 27  
Internal Maximum Marks: 20  
Total Max. Marks: 100  
Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** This course aims at imparting knowledge about comparative politics- its history, importance, emerging trends, various methods to study comparisons and constitutions

**Course Outcomes:** At the end of the semester, students will be able to :

**UG POL 5.1:** have acquaintance with the introduction of comparative politics, its approaches and methods

**UG POL 5.2:** understand important approaches like input-output, structural functional etc. of comparisons

**UG POL 5.3:** comprehensively understand the concept and nature of constitutionalism

**UG POL 5.4:** understand the constitutional structure and functioning by studying three organs of the govt

<b>CO- PO Mapping Matrix for code: UG POL 5</b>											
COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG POL 5.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG POL 5.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG POL 5.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG POL 5.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

<b>CO-PSO Mapping Matrix : UG POL 5</b>					
COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG POL 5.1</b>	3	2	1	2	3
<b>UG POL 5.2</b>	2	3	3	3	2
<b>UG POL 5.3</b>	3	2	3	2	3
<b>UG POL 5.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

Semester -6

**UG POL 6 – Comparative Constitutions of UK & USA**

Type: Core Course (CC)  
Course Credits: 03  
Contact Hours: 40 mins/lecture  
Examination Duration: 3 Hours  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 27  
Internal Maximum Marks: 20  
Total Max. Marks: 100  
Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** Awareness on the differences between the constitutions of UK and USA

**Course Outcomes:** At the end of the semester, students will have :

**UG POL 6.1:** knowledge of the historical evolution, basic nature, and feature of both the constitutions


**UG POL 6.2:** ability to assess the differences between the three organs of both the govt

**UG POL 6.3:** understanding on the role of various dynamic aspects of the govt such as political party, pressure groups etc.

**UG POL 6.4:** knowledge of the electoral process and behavior along with recent trends in both the countries.

CO-PO Mapping Matrix for Course Code: UG POL 6											
COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG POL 6.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG POL 6.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG POL 6.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG POL 6.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

CO-PSO Mapping Matrix : UG POL 6					
COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG POL 6.1</b>	3	2	1	2	3
<b>UG POL 6.2</b>	2	3	3	3	2
<b>UG POL 6.3</b>	3	2	3	2	3
<b>UG POL 6.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

  
 Principal  
 Dyal Singh College  
 KARNAL

# **Department of Political Science**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Hons. Course**

**Dyal Singh College, Karnal, Haryana**  
**Department of Political Science**

**Syllabus and Scheme of Examination for BA Hons. Political  
Science under (CBCS/LOCF)**

Time : 03 Hours

Maximum Marks : 100 Marks

Theory : 80 Marks

Internal Assessment : 20 Marks, Division of Marks as given below:

Two Assignments: (5 marks for each assignment)

One Class Test:25% (One Period Duration)

Attendance: 25%, Marks of attendance will be given as under:-

* 91 % onwards	: 05 Marks
* 81% to 90%	: 04 Marks
* 75% to 80%	: 03 Marks
* 70 % to 74%	: 02 Marks
* 65 % to 69%	: 01 Marks

## Scheme of examination of the Course along with POs, PSOs, COs and Mapping Matrix

### PROGRAMME OUTCOMES (POs):

- PO 1 KNOWLEDGE:** To evolve knowledge of political importance and to identify the factors and forces that shape the nature of social sciences which help to analyze the issues of human inquiry.
- PO 2 PROBLEM SOLVING:** Makes capable to identify and resolve the complex social and political problems through research methods using tools and techniques available in social sciences disciplines.
- PO 3 CRITICAL THINKING:** To analyze day to day problems of the society and evaluate specific policy proposals that are conducive to growth and development.
- PO 4 SCIENTIFIC ENQUIRY:** Use of techniques to describe and interpret the problems, formulation of concepts and hypothesis, collect relevant data and interpret it.
- PO 5 USAGE OF ANALYTICAL TOOLS:** To apply appropriate quantitative/qualitative techniques available in social science disciplines including ICT tools and SPSS.
- PO 6 SPECIALIZATION AND EMPLOYABILITY:** To enhance greater understanding of social science disciplines. To employ special techniques and policy alternatives that can help to generate opportunities of employment.
- PO 7 INTERDISCIPLINARY KNOWLEDGE & ADAPTATION:** Working to integrate the knowledge available in social sciences and to enhance the ability to synthesize the acquired knowledge in social sciences and other disciplines.
- PO 8 SELF DIRECTED LEARNING:** To develop the capacity to work independently and effectively in the contemporary circumstances.
- PO 9 ETHICS:** To apply ethical values and ideals which promotes awareness of current social and political issues.
- PO 10 LEADERSHIP:** To promote team work and lead others, setting examples and formulating vision for future.
- PO 11 COMMUNICATION:** Communicate generalizations, interpretations and implications clearly, concisely and effectively, both orally and in writing for different sets of audiences.

### PROGRAMME SPECIFIC OUTCOMES (PSOs):

- PSO1** The students will be able to have an in depth understanding of theoretical and conceptual underpinnings of politics to examine political behavior.
- PSO2** The students will be able to develop the ability to comprehend and analyze political phenomena.
- PSO3** The students shall acquire the capacity to observe the politics through various perspectives.
- PSO4** The students will be able to comprehend and critically examine various institutions, issues, processes and challenges inherent in political system
- PSO5** The students shall be able to understand the international politics and the character of political institutions working in the country.



**Program: BA Hons (Political Science)**  
**Semester 1- Paper 1**

**UG (H) POL 1- Indian Constitution**

Type: Core Course (CC)  
 Course Credits: 03  
 Contact Hours: 40 mins/lecture  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 27  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** The aim of this course is to make students aware about the constitution of India and to equip them with knowledge of the functioning of Indian government.

**Course Outcomes:** At the end of this course, the student will have :

**UG (H) POL 1.1-** knowledge of sources and characteristic feature of Indian Constitution

**UG (H) POL 1.2-** knowledge of executive organ of Indian Government as provided in the constitution

**UG (H) POL 1.3-** knowledge of legislative organs of Centre as well as State govt including law making procedure

**UG (H) POL 1.4-** understanding of functions and recent debates regarding Indian judiciary

**CO-PO Mapping Matrix for Course Code: UG (H) POL 1**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 1.1</b>	3	2	3	2	3	2	3	3	3	3	3
<b>UG (H) POL 1.2</b>	3	3	2	3	3	3	2	3	3	3	3
<b>UG (H) POL 1.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 1.4</b>	3	3	3	3	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.75	2.75	2.75	2.5	2.75	2.75	2.75	2.75

**CO-PSO Mapping Matrix for Course Code: : UG (H) POL 1**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 1.1</b>	3	2	3	2	3
<b>UG (H) POL 1.2</b>	2	3	3	3	2
<b>UG (H) POL 1.3</b>	3	2	3	2	3
<b>UG (H) POL 1.4</b>	2	3	2	3	3
Average	2.5	2.5	2.75	2.5	2.75

## Semester 1- Paper 2

### UG (H)- POL 2 – Principles of Political Science G

Type: Core Course (CC)  
Course Credits: 03  
Contact Hours: 40 mins/lecture  
Examination Duration: 3 Hours  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 27  
Internal Maximum Marks: 20  
Total Max. Marks: 100  
Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** to make students aware about the basics of Political Science as a discipline highlighting major themes and theories about the basic concepts in the subject like State, government etc.

**Course Outcomes:** At the end of the semester, students will have :

**UG (H) POL 2.1:** knowledge and understanding about Political Science- theoretical understanding and historical evolution and its relations with other social sciences

**UG (H) POL 2.2:** understanding of the concept of the State and its elements with its relation with other associations

**UG (H) POL 2.3:** knowledge of dynamics of various concepts like sovereignty, liberty, equality, justice etc.

**UG (H) POL 2.4:** understanding of theory of govt and various operational dynamics such as pressure groups, political parties etc.

#### CO-PO Mapping Matrix for Course Code: UG (H) POL 2

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H)POL 2.1</b>	3	2	3	2	3	2	3	3	3	3	3
<b>UG (H)POL 2.2</b>	3	3	2	3	3	3	2	3	3	3	3
<b>UG (H)POL 2.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H)POL 2.4</b>	3	3	3	3	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.75	2.75	2.75	2.5	2.75	2.75	2.75	2.75

**CO- PSO Mapping Matrix for Course Code: UG (H) POL 2**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 2.1</b>	3	2	3	2	3
<b>UG (H) POL 2.2</b>	2	3	3	3	2
<b>UG (H) POL 2.3</b>	3	2	3	2	3
<b>UG (H) POL2.4</b>	2	3	2	3	3
Average	2.5	2.5	2.75	2.5	2.75

## Semester 2

### Paper 1- Indian Politics

<b>UG (H) POL- 3 Indian Politics</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> This course will enable students to comprehend and understand the dynamics of Indian politics by learning about various functional and practical aspects	
<b>Course Outcomes:</b> Having studied this course, students will be able to :	
<b>UG (H) POL-3.1:</b> comprehend the functioning of federalism by focusing on the working of centre-state relations and emerging trends	
<b>UG (H) POL-3.2:</b> know about the electoral processes ranging from the functioning of election commission to various electoral reforms and challenges	
<b>UG (H) POL- 3.3:</b> understand party politics and working in Indian Politics	
<b>UG (H) POL- 3.4:</b> analyse the role of caste, language and regionalism in politics in India and ways to tackle the challenges arising from it	

#### **CO-PO Mapping Matrix for Course Code: UG (H) POL 3**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 3.1</b>	3	2	3	2	3	2	2	3	3	3	3
<b>UG (H) POL 3.2</b>	3	3	2	3	1	3	2	3	3	1	3
<b>UG (H) POL 3.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 3.4</b>	3	3	3	3	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.75	2.25	2.75	2.25	2.75	2.75	2.25	2.75

**CO-PSO Mapping Matrix for Course Code: UG (H) POL 3**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 3.1</b>	3	2	3	2	3
<b>UG (H) POL 3.2</b>	2	2	2	3	2
<b>UG (H) POL 3.3</b>	3	2	3	2	3
<b>UG (H) POL 3.4</b>	2	3	2	3	3
Average	2.5	2.25	2.5	2.5	2.75

**Semester 2****Paper 2- Contemporary Political Science****UG (H) POL- 4 Contemporary Political Science**

Type: Core Course (CC)  
 Course Credits: 03  
 Contact Hours: 40 mins/lecture  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 27  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** The subject matter of this course aims to provide students an understanding of the constantly evolving nature of the Political Science. Acquaintance of students with recent trends and debates in political science focusing specifically on political theory.

**Course Outcomes:** At the end of the semester, students will have :

**UG (H) POL- 4.1:** conceptual understanding of behaviouralism and post- behaviouralism

**UG (H) POL-4.2:** overall knowledge of origin, scope, decline and resurgence of political theory

**UG (H) POL- 4.3:** ability to comprehend the unfolding nature of various trends such as political change, political socialisation along with ideology in general

**UG (H) POL- 4.4:** academic and conceptual acquaintance with dynamic theories of modernism, welfare, environmentalism etc

**CO-PO Mapping Matrix for Course Code: UG (H) POL 4**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 4.1</b>	3	2	3	2	3	2	3	3	2	3	3
<b>UG (H) POL 4.2</b>	3	3	2	1	3	3	2	3	3	3	3
<b>UG (H) POL 4.3</b>	2	2	3	3	2	2	3	2	2	3	3
<b>UG (H) POL 4.4</b>	3	3	3	3	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.25	2.75	2.5	2.5	2.75	2.5	2.75	3

**CO-PSO Mapping Matrix: UG (H) POL-4**

<b>COS#</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>UG (H) POL 4.1</b>	3	2	3	2	3
<b>UG (H) POL 4.2</b>	2	2	3	3	2
<b>UG (H) POL 4.3</b>	3	2	3	2	2
<b>UG (H) POL4.4</b>	3	3	2	3	3
<b>Average</b>	3	2.25	2.75	2.5	2.5



## UG (H) POL 05-WESTERN POLITICAL THINKERS-1

Type: Core Course (CC)  
 Course Credits:03  
 Contact Hours: 40 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 27  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 32

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all. all questions carrying 16 marks each.

**Course Objectives:** The aim of this course is to make the students aware about different western political thinkers and their thoughts.

**Course Outcomes:** At the end of this course, the student will be able to:

**UG (H) POL 5.1:** .assess the significance of political ideas of Plato, Aristotle

**UG (H) POL 5.2:** understanding the thinkers like St.Augustine and Mechiavelli

**UG (H) POL 5.3:** Critically evaluate the theory of Social Contract by Hobbes, Locke and Rousseau and the impact of their philosophy on the Constitutions of different countries

**UG (H) POL 5.4:** Have comprehensive understanding of concepts of utilitarian thinkers like Bentham & J.S. Mill

### CO-PO Mapping Matrix for Course Code: UG (H) POL 5

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 5.1</b>	3	3	3	3	3	2	2	3	3	3	3
<b>UG (H) POL 5.2</b>	3	3	3	3	3	2	2	3	3	3	1
<b>UG (H) POL 5.3</b>	3	3	3	2	3	2	2	3	3	3	3
<b>UG (H) POL 5.4</b>	3	3	3	3	3	2	2	3	2	3	3
Average	3	3	3	2.75	3	2	2	3	2.75	3	<b>2.5</b>

### CO-PSO Mapping Matrix for Course Code: UG (H) POL 5

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 5.1</b>	3	3	2	3	3
<b>UG (H) POL 5.2</b>	3	2	3	2	3
<b>UG (H) POL 5.3</b>	2	3	3	3	2
<b>UG (H) POL 5.4</b>	3	3	3	3	3
Average	2.75	2.75	2.75	2.75	2.75



### UG (H) POL-6 -INDIAN POLITICAL THINKERS-1

Type: Core Course (CC) Course Credits:03 Contact Hours: 40 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
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**Course Objectives:** The aim of this course is to make the students aware about different Indian political thinkers and their thoughts.

**Course Outcomes:** At the end of this course, the student will be able to:

**UG (H) POL-6.1.** Analyze the social and political thought of Raja Ram Mohan Roy and Swami Dayanand Saraswati

**UG (H) POL-6 .2.** understanding the thinkers Dada Bhai Naroji and Gopal Krishna Gokhle

**UG (H) POL-6.3** Critically evaluate the idea of Swami Vivekanand and Aurbind Ghosh

**UG (H) POL-6.4.** understanding the extremist ideology of Bal Gangadhar Tilak and Lala Lajpat roy

#### CO-PO Mapping Matrix for Course Code: UG (H) POL-6

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL-6.1</b>	3	3	3	3	3	2	2	3	3	3	3
<b>UG (H) POL-6.2</b>	3	3	3	3	3	2	2	3	3	3	3
<b>UG (H) POL-6.3</b>	3	3	3	2	3	2	2	3	3	3	3
<b>UG (H) POL-6.4</b>	3	3	3	3	3	2	2	3	3	3	3
Average	3	3	3	2.75	3	2	2	3	3	3	<b>3</b>

#### CO-PSO Mapping Matrix for Course Code: UG (H) POL-6

COs#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL-6.1</b>	3	3	2	3	3
<b>UG (H) POL-6.2</b>	3	2	3	2	3
<b>UG (H) POL-6.3</b>	2	3	3	3	2
<b>UG (H) POL-6.4</b>	3	3	3	3	3
Average	2.75	2.75	2.75	2.75	2.75

**Semester 3**

**Paper 3 – India’s Foreign Policy –I**

<b>UG (H) POL 10 – India’s Foreign Policy</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> To aware students about the process and objectives of India’s foreign policy. To provide knowledge about the practise of foreign policy making and implementation through various institutions of Indian government.	
<b>Course Outcomes:</b> At the end of the semester, students will be able to :  <b>UG(H) POL 10.1:</b> understand the objectives and principles of foreign policy through the making process  <b>UG(H) POL 10.2:</b> comprehend the role of internal and external factors in determining foreign policy  <b>UG(H) POL 10.3:</b> assess the role of various organs and institutions of Indian government employed in  the process of making and implementation of foreign policy  <b>UG(H) POL 10.4:</b> analyse India’s relations with two of the most critical neighbours- China and Pakistan	

<b>CO-PO Mapping Matrix for Course Code: UG (H) POL 10</b>											
COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 10.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 10.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 10.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 10.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

<b>CO-PSO Mapping Matrix : UG (H) POL 10</b>					
COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 10.1</b>	3	2	1	2	3
<b>UG (H) POL 10.2</b>	2	3	3	3	2
<b>UG (H) POL 10.3</b>	3	2	3	2	3
<b>UG (H) POL 10.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

**Semester -4**

**Paper -1 – Western Political Thinkers- I I**

<b>UG (H) POL 8 – Western Political Thinkers- II</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> To make students understand thoughts and experiences of selected important Western political thinkers	
<b>Course Outcomes:</b> At the end of the semester, students will have knowledge of : <b>UG(H) POL 8.1:</b> thoughts of Hegel and Marx related to state, private property etc <b>UG(H) POL 8.2:</b> ideas of two different communist thinkers – Vladimir Lenin and Mao- Tse- Tung <b>UG(H) POL 8.3:</b> ideas of GDH Cole and Harrold Laski on various aspects of state and citizens <b>UG(H) POL 8.4:</b> thoughts on justice and distribution of Rawls and Nozick	

**CO-PO Mapping Matrix for Course Code: UG (H) POL 8**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 8.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 8.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 8.3</b>	2	3	3	3	2	3	3	2	1	3	2
<b>UG (H) POL 8.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.75	2.75	2.5	2.75	2.75	2.5	2.25	2.5	2.25	2.75

**CO-PSO Mapping Matrix : UG (H) POL 8**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 8.1</b>	3	2	3	2	3
<b>UG (H) POL 8.2</b>	1	3	3	3	2
<b>UG (H) POL 8.3</b>	3	3	3	2	3
<b>UG (H) POL 8.4</b>	2	3	2	3	1
Average	2.25	2.75	2.75	2.5	2.25

**Semester 4**

**Paper 1- India Political Thinkers- II**

**UG (H) POL 9 – India Political Thinkers- II**

Type: Core Course (CC)  
Course Credits: 03  
Contact Hours: 40  
mins/lecture  
Examination Duration: 3  
Hours  
Mode: Lecture  
External Maximum Marks: 80  
External Pass Marks: 27  
Internal Maximum Marks: 20  
Total Max. Marks: 100  
Total Pass Marks: 35

**Instructions to Paper Setter for End Semester Exam:** Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.

**Course Objectives:** This course aims to make students aware about different Indian political thinkers and thoughts

**Course Outcomes:** At the end of the semester, students will have knowledge of :

**UG(H) POL 9.1:** ideas of J.P. Narayan and Ram Manohar Lohia

**UG(H) POL 9.2:** thoughts of Mahatama Gandhi and M.N. Roy

**UG(H) POL 9.3:** thoughts of Jawaharlal Nehru and B.R, Ambedkar

**UG(H) POL 9.4:** thoughts of Subhash Chander Bose and Bhagat Singh



**CO-PO Mapping Matrix for Course Code: UG (H) POL 9**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 9.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 9.2</b>	3	3	3	3	3	3	2	3	3	1	2
<b>UG (H) POL 9.3</b>	2	3	3	3	2	3	3	1	2	3	2
<b>UG (H) POL 9.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	3	3	2.5	2.75	2.75	2.5	2	2.75	2.25	2.5

**CO-PSO Mapping Matrix : UG (H) POL 9**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 9.1</b>	3	2	1	2	3
<b>UG (H) POL 9.2</b>	2	3	3	3	2
<b>UG (H) POL 9.3</b>	3	3	3	3	3
<b>UG (H) POL 9.4</b>	2	3	2	3	1
Average	2.5	2.75	2.25	2.75	2.25

**Semester 4**

**Paper 3 – India’s Foreign Policy –II**

<b>UG (H) POL 7– India’s Foreign Policy</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> To aware students about the process and objectives of India’s foreign policy. To provide knowledge about the practise of foreign policy making and implementation through various institutions of Indian government.	
<b>Course Outcomes:</b> At the end of the semester, students will be able to : <b>UG (H) POL 7.1:</b> knowledge of trajectories of India’s relations with superpowers- USA and Russia <b>UG (H) POL 7.2:</b> understanding of India’s association and also on-association with different regional arrangements, both during cold war (NAM) and after cold war during globalisation (SAARC) and to think of the new ways for an active role in regional politics <b>UG (H) POL 7.3:</b> ability to analyse India’s stature at global stage by understanding its engagement with UN and other global agendas such as disarmament <b>UG (H) POL 7.4:</b> required knowledge and understanding to assess the working of India’s foreign policy	

**CO-PO Mapping Matrix for Course Code: UG (H) POL 7**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 7.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 7.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 7.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 7.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

**CO-PSO Mapping Matrix : UG (H) POL 7**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 7.1</b>	3	2	1	2	3
<b>UG (H) POL 7.2</b>	2	3	3	3	2
<b>UG (H) POL 7.3</b>	3	2	3	2	3
<b>UG (H) POL 7.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

## Semester 5

### Paper-1 : Comparative Politics (Theory)

<b>UG (H) POL 11– Comparative Politics (Theory)</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> This course aims at imparting knowledge about comparative politics- its history, importance, emerging trends, various methods to study comparisons and constitutions	
<b>Course Outcomes:</b> At the end of the semester, students will be able to :	
<b>UG(H) POL 11.1:</b> have acquaintance with the introduction of comparative politics, its approaches and methods	
<b>UG(H) POL 11.2:</b> understand important approaches like input-output, structural functional etc. of comparisons	
<b>UG(H) POL 11.3:</b> comprehensively understand the concept and nature of constitutionalism	
<b>UG(H) POL 11.4:</b> understand the constitutional structure and functioning by studying three organs of the govt	

**CO- PO Mapping Matrix for code: UG (H) POL-11**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 11.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 11.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 11.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 11.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

**CO-PSO Mapping Matrix : UG (H) POL 11**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 11.1</b>	3	2	1	2	3
<b>UG (H) POL 11.2</b>	2	3	3	3	2
<b>UG (H) POL 11.3</b>	3	2	3	2	3
<b>UG (H) POL 11.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

**Semester 5**

**Paper 2- International Relations (Theory)**

<b>UG (H) POL 12 – International Relations (Theory)</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> This course aims at empowering students with the understanding of International Relations as an academic discipline, from basic introduction to the theories of studying the subject	
<b>Course Outcomes:</b> At the end of the semester, students will have :	
<b>UG(H) POL 12.1:</b> clarity on the International Relations as a discipline of study	
<b>UG(H) POL 12.2:</b> knowledge of various approaches to study International Relations	
<b>UG(H) POL 12.3:</b> comprehensive understanding of the concept of national power and its role along with  existing limitations	
<b>UG(H) POL 12.4:</b> clarity on major debated topics such as Balance of Power, Collective Security, etc.	

**CO-PO Mapping Matrix for Course Code: UG (H) POL 12**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 12.1</b>	3	2	3	3	1	2	3	1	3	3	1
<b>UG (H) POL 12.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 12.3</b>	2	2	3	3	2	3	3	2	3	3	2
<b>UG (H) POL 12.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.75	2.25	2.75	2.5	2.25	3	2.25	2.25

**CO-PSO Mapping Matrix : UG (H) POL 12**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 12.1</b>	3	2	1	3	3
<b>UG (H) POL 12.2</b>	3	3	3	3	2
<b>UG (H) POL 12.3</b>	3	2	3	2	3
<b>UG (H) POL 12.4</b>	2	3	2	3	2
Average	3	2.5	2.25	2.75	2.5

**Semester -5**

**Paper 3- Public Administration –I**

<b>UG (H) POL 13 – Public Administration- I</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> To avail students knowledge about the administrative structures and processes, from theoretical perspectives to practical considerations	
<b>Course Outcomes:</b> At the end of the semester, students will have :  <b>UG(H) POL 13.1:</b> clear understanding on the nature and scope of Public Administration as a discipline  <b>UG(H) POL 13.2:</b> ability to comprehend methods and approaches to the study of Public Administration  <b>UG(H) POL 13.3:</b> knowledge of various theories of organization  <b>UG(H) POL 13.4:</b> understanding of various principles of organization such as hierarchy, control etc.	



<b>CO-PO Mapping Matrix for Course Code: UG (H) POL 13</b>											
COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 13.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 13.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 13.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 13.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

<b>CO-PSO Mapping Matrix : UG (H) POL 3</b>					
COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 13.1</b>	3	2	1	2	3
<b>UG (H) POL 13.2</b>	2	3	3	3	2
<b>UG (H) POL 13.3</b>	3	2	3	2	3
<b>UG (H) POL 13.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

**Semester -6**

**Paper 1- Comparative Constitutions of UK & USA**

<b>UG (H) POL 14 – Comparative Constitutions of UK &amp; USA</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> Awareness on the differences between the constitutions of UK and USA	
<b>Course Outcomes:</b> At the end of the semester, students will have :  <b>UG(H) POL 14.1:</b> knowledge of the historical evolution, basic nature, and feature of both the constitutions  <b>UG(H) POL 14.2:</b> ability to assess the differences between the three organs of both the govt  <b>UG (H) POL 14.3:</b> understanding on the role of various dynamic aspects of the govt such as political party, pressure groups etc.  <b>UG (H) POL 14.4:</b> knowledge of the electoral process and behavior along with recent trends in both the countries.	

**CO-PO Mapping Matrix for Course Code: UG (H) POL 14**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 14.1</b>	3	2	3	2	3	2	3	1	3	3	3
<b>UG (H) POL 14.2</b>	3	3	2	3	3	3	2	3	3	1	3
<b>UG (H) POL 14.3</b>	2	2	3	3	2	3	3	2	2	3	2
<b>UG (H) POL 14.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.75	2.75	2.5	2.25	2.75	2.25	2.75

**CO-PSO Mapping Matrix : UG (H) POL 14**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 14.1</b>	3	2	1	2	3
<b>UG (H) POL 14.2</b>	2	3	3	3	2
<b>UG (H) POL 14.3</b>	3	2	3	2	3
<b>UG (H) POL 14.4</b>	2	3	2	3	1
Average	2.5	2.5	2.25	2.5	2.25

**Semester -6**

**Paper 2 – International Organisations**

<b>UG (H) POL 15 – International Organisations</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> This course aims at imparting knowledge relating to International Organisations- their origin, functions and structure with special focus on UN and its agendas	
<b>Course Outcomes:</b> At the end of the semester, students will be able to :	
<b>UG(H) POL 15.1:</b> understand the evolution and growth of International Organisation, especially on the difference between League of Nations and UN	
<b>UG(H) POL 15.2:</b> have comprehensive understanding of the organs of UN and their functions	
<b>UG(H) POL 15.3:</b> assess the working of UN in peace making at International level	
<b>UG(H) POL 15.4:</b> understand the process of disarmament and role of UN in it, democratization debate in the functioning of UN	

**CO-PO Mapping Matrix for Course Code: UG (H) POL 15**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 15.1</b>	3	2	3	3	3	2	3	1	3	3	3
<b>UG (H) POL 15.2</b>	3	3	3	3	3	3	2	3	3	1	3
<b>UG (H) POL 15.3</b>	2	2	3	3	2	3	3	2	3	3	2
<b>UG (H) POL 15.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	3	2.75	2.75	2.75	2.5	2.25	3	2.25	2.75

**CO-PSO Mapping Matrix : UG (H) POL 15**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 15.1</b>	3	2	3	2	3
<b>UG (H) POL 15.2</b>	3	3	3	3	2
<b>UG (H) POL 15.3</b>	3	2	3	3	3
<b>UG (H) POL 15.4</b>	2	3	2	3	1
Average	2.75	2.5	2.75	2.75	2.25

## Semester 6

### Paper 3- Public Administration –II


<b>UG (H) POL 16 – Public Administration-II</b>	
Type: Core Course (CC) Course Credits: 03 Contact Hours: 40 mins/lecture Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 27 Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 35	<b>Instructions to Paper Setter for End Semester Exam:</b> Examiner will be required to set nine questions in all. It covers the entire syllabus. Question No.9 will consist of eight short-answer type questions carrying equal marks. Student will be required to attempt Five questions in all carrying 16 marks each.
<b>Course Objectives:</b> To aware students about the peculiarities of the public administration like administrative behavior, budget process and intra-governmental controls while ensuring efficiency in the administration	
<b>Course Outcomes:</b> At the end of the semester, students will be able to :	
<b>UG(H) POL 16.1:</b> understand the factors and determinants of administrative behavior and issues related with it	
<b>UG (H) POL 1 6.2:</b> comprehend the process and working of personnel administration- recruitment, promotion etc.	
<b>UG(H) POL 16.3:</b> assess the role of budget and understanding budget making process	
<b>UG(H) POL 16.4:</b> understand various controls over administration and recent trend of administration in the context  of globalisation	

**CO-PO Mapping Matrix for Course Code: UG (H) POL 16**

COs#	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>UG (H) POL 16.1</b>	3	2	3	2	3	3	3	1	3	3	3
<b>UG (H) POL 16.2</b>	3	3	2	3	2	3	2	3	3	2	3
<b>UG (H) POL 16.3</b>	2	2	3	3	2	3	2	2	2	3	3
<b>UG (H) POL 16.4</b>	3	3	3	2	3	3	2	3	3	2	3
Average	2.75	2.5	2.75	2.5	2.5	3	2.25	2.25	2.75	2.5	3

**CO-PSO Mapping Matrix : UG (H) POL 16**

COS#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>UG (H) POL 16.1</b>	3	2	2	2	3
<b>UG (H) POL 16.2</b>	2	3	3	3	2
<b>UG (H) POL 16.3</b>	3	3	3	2	3
<b>UG (H) POL 16.4</b>	2	3	2	3	2
Average	2.5	2.75	2.5	2.5	2.5

  
Principal  
Dyal Singh College  
KARNAL

# **Department of Sanskrit**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**



# DYAL SINGH COLLEGE, KARNAL

B.A (Sanskrit) Programme

Name of the Programme- Bachelor of Arts

Subject- Sanskrit

Sanskrit is a very rich language of Indo-European group. It is a medium to know about ancient Indian, history,culture, religion, social life through its text. So the student seeking admission for B.A. programme is expected to develop a deep understanding of rich heritage and dynamic prevalent scenario of India through various Sanskrit texts.

<b>Programme Outcomes (Pos)</b>	
PO1	Develop a strong concept of Indian history, Philosophy and literature.
PO2	Enhance communication skills - Listening, Speaking, Reading, writing.
PO3	Students will demonstrate the skill needed to participate in conversation that builds knowledge with collaboration.
PO4	Students will be able to understand the advanced and the scientific structure of Sanskrit.
PO5	Develop research aptitude and independent thinking.
PO6	Develop a strong concept of ancient Indian history, philosophy and Literature.
PO7	Ability to communicate effectively on general and scientific topics with the community and with society at large.
PO8	Apply ethical principles and professional responsibilities in daily practices.
PO9	Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges.

<b>Programme Specific Outcomes (PSOs)</b>	
PSO1	To understand the basic concept of Sanskrit and its origin.
PSO2	Acquire high proficiency and Knowledge in a particular field of Sanskrit Studies.
PSO3	Understand the advanced and the scientific structure of Sanskrit Grammer.
PSO4	Understand the traditional and contemporary ways for dealing with Sanskrit Literature, Language and Shastras.
PSO5	Impart the knowledge of Sanskrit Literature as based values of Ethics and Morality capable of providing right grooming.
PSO6	Developing philosophy of life inspiring by the vision of eminent writers.
PSO7	Understand and articulate issues pertaining to origin and evolution of Sanskrit language literature.

**Semester -1<sup>st</sup>**  
**BA- ES21 : Sanskrit (Elective)**

**Course Objectives:-** This course aims to get the students acquainted with the outline of Sanskrit Niti Literature through text Panchtantram and Nitisatkam with the general introduction and the basics of Sanskrit Grammer.

**Course Outcomes**

At the end of this course, the student will be able to

B.A. ES 21.1	Learn various aspects and forms of the storyline through the prescribed texts and that will improve their moral and ethical values.
B.A. ES 21.2	To familiarize with some leading Sanskrit prose and Niti literature.
B.A. ES 21.3	To enhance their knowledge of structural pattern of Sanskrit through Shabd roop and dhatu roop.
B.A. ES 21.4	To become familiar with fundamental Sandhi and Compounding patterns.
B.A. ES 21.5	Understand the importance of translation and terminology.

Co-PO Mapping Matrix for Course Code B.A. (Sanskrit) ES 21									
PO CO	P01	P02	P03	P04	P05	P06	P07	P08	P09
B.A. ES 21.1	3	3	3	2	3	3	3	3	3
B.A. ES 21.2	3	2	2	3	3	3	3	2	3
B.A. ES 21.3	3	2	3	3	3	3	2	3	2
B.A. ES 21.4	3	3	3	3	3	3	2	3	3
B.A. ES 21.5	2	2	3	2	2	3	3	3	3
Average	2.8	2.4	2.8	2.6	2.8	3	2.6	2.8	2.8

CO-PSO Mapping Matrix for course Code B.A. (Sanskrit) ES 21							
PSO CO	PS01	PS02	PS03	PS04	PS05	PS06	PS07
B.A. ES 21.1	3	3	2	3	2	3	3
B.A. ES 21.2	3	3	3	2	3	2	2
B.A. ES 21.3	3	3	2	2	3	3	3
B.A. ES 21.4	2	3	3	3	3	3	3
B.A. ES 21.5	3	2	3	3	3	3	3
Average	2.8	2.8	2.6	2.6	2.8	2.8	2.8

**Semester : 2nd**  
**BA- ES22 : Sanskrit (Elective)**

**Course Objectives:-** The objective of this course is to get the principle thesis of Gita the content of Sanskrit Grammer.

## Course Outcomes

At the end of this course the student will be able to

B.A. ES 22.1	Know the general introduction of Upanishad's Philosophy through Gita.
B.A. ES 22.2	Learn the essence of the ways of life depicted and enjoyed in Niti Literature.
B.A. ES 22.3	Know the basics of Sanskrit Grammer.
B.A. ES 22.4	Appreciate the basic knowledge of Chand.
B.A. ES 22.5	Write short paras and translate sentence into Sanskrit.

### Co-PO Mapping Matrix for Course Code B.A. (Sanskrit) ES 22

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
B.A. ES 22.1	3	3	2	2	3	3	3	2	3
B.A. ES 22.2	2	2	3	3	3	3	2	2	3
B.A. ES 22.3	3	2	3	3	3	3	3	3	2
B.A. ES 22.4	3	3	2	3	3	3	2	3	3
B.A. ES 22.5	2	2	3	2	2	3	3	3	3
Average	2.6	2.4	2.6	2.6	2.8	3	2.6	2.6	2.8

### CO-PSO Mapping Matrix for course Code B.A. (Sanskrit) ES 22

CO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
B.A. ES 22.1	3	3	2	3	2	3	3
B.A. ES 22.2	2	3	3	3	3	3	2
B.A. ES 22.3	3	2	2	2	3	3	2
B.A. ES 22.4	2	3	2	3	3	3	3
B.A. ES 22.5	3	2	3	3	3	3	3
Average	2.6	2.6	2.4	2.8	2.8	3	2.6

**Semester : 3<sup>rd</sup>**  
**BA- ES23 : Sanskrit (Elective)**

**Course Objectives:-** This Course aims at getting the students acquainted with the dramatic works of Sanskrit Literature and the basics of Sanskrit grammar including rules of pratyahar Sutra of Laghusidhanta Kaumidi.

## Course Outcomes

At the end of this course the student will be able to

B.A. ES 23.1	Aware about the beauty and richness of Sanskrit dramatic tradition.
B.A. ES 23.2	Know about the formal structure of Sanskrit drama in the Bharat's Natyashastra.
B.A. ES 23.3	Understand some important primary and secondary suffixes and samasa.
B.A. ES 23.4	know the basics of Sanskrit Grammer i.e Pratyahar Sutra of Laghusidhanta Kaumudi.
B.A. ES 23.5	Understand the different modes of Letter Writing.

### Co-PO Mapping Matrix for Course Code B.A. (Sanskrit) ES 23

CO	PO	P01	P02	P03	P04	P05	P06	P07	P08	P09
B.A. ES 23.1	ES	3	3	3	2	3	3	3	3	3
B.A. ES 23.2	ES	3	2	2	3	3	3	3	2	3
B.A. ES 23.3	ES	3	2	3	3	3	3	2	3	2
B.A. ES 23.4	ES	3	3	3	3	3	3	2	3	3
B.A. ES 23.5	ES	2	2	3	2	2	3	3	3	3
Average		2.8	2.4	2.8	2.6	2.8	3	2.6	2.8	2.8

### CO-PSO Mapping Matrix for course Code B.A. (Sanskrit) ES 23

CO	PSO	PS01	PS02	PS03	PS04	PS05	PS06	PS07
B.A. ES 23.1	ES	3	3	2	3	2	3	3
B.A. ES 23.2	ES	3	3	3	2	3	2	2
B.A. ES 23.3	ES	3	3	2	2	3	3	3
B.A. ES 23.4	ES	2	3	3	3	3	3	3
B.A. ES 23.5	ES	3	2	3	3	3	3	3
Average		2.8	2.8	2.6	2.6	2.8	2.8	2.8

**Semester : 4<sup>th</sup>**  
**BA- ES24 : Sanskrit (Elective)**

**Course Objectives:-** This course aims to get the student acquainted with the dramatic works of Sanskrit Literature and the formal structure of Sanskrit Drama.

## Course Outcomes

At the end of this course the student will be able to

B.A. ES 24.1	Develop a fair idea of the works of great Sanskrit Poets.
B.A. ES 24.2	Expose themselves to the socio cultural condition of the Indian society as reflected in the prescribed texts.
B.A. ES 24.3	Know the basics of Sanskrit Grammer i.e Pratyaya,Vachya.
B.A. ES 24.4	Know about Sanjya.
B.A. ES 24.5	Write short paragraph and translate sentence.

**Co-PO Mapping Matrix for Course Code B.A. (Sanskrit) ES 24**

CO	PO	P01	P02	P03	P04	P05	P06	P07	P08	P09
B.A. ES 24.1	ES	3	3	2	2	3	3	3	2	3
B.A. ES 24.2	ES	2	2	3	3	3	3	2	2	3
B.A. ES 24.3	ES	3	2	3	3	3	3	3	3	2
B.A. ES 24.4	ES	3	3	2	3	3	3	2	3	3
B.A. ES 24.5	ES	2	2	3	2	2	3	3	3	3
Average		2.6	2.4	2.6	2.6	2.8	3	2.6	2.6	2.8

**CO-PS0 Mapping Matrix for course Code B.A. (Sanskrit) ES 24**

CO	PSO	PS01	PS02	PS03	PS04	PS05	PS06	PS07
B.A. ES 24.1	ES 24.1	3	3	2	3	2	3	3
B.A. ES 24.2	ES 24.2	2	3	3	3	3	3	2
B.A. ES 24.3	ES 24.3	3	2	2	2	3	3	2
B.A. ES 24.4	ES 24.4	2	3	2	3	3	3	3
B.A. ES 24.5	ES 24.5	3	2	3	3	3	3	3
Average		2.6	2.6	2.4	2.8	2.8	3	2.6

**Semester : 5<sup>th</sup>**  
**BA- ES25 : Sanskrit (Elective)**

**Course Objectives:-** The main aim of the course is to increase the knowledge of Literature review through the formal structure of Sanskrit Drama.

## Course Outcomes

At the end of this course the student will be able to

B.A. ES 25.1	Understand the various aspects of social psychology through Literature
B.A. ES 25.2	Acquaintance with the Poet and general outlines of Classical Sanskrit Literature.
B.A. ES 25.3	Know about the Vedic Sanskrit Sahitya.
B.A. ES 25.4	Know about Alankar and Vibhaktyarth Prakrana based on Laghusidhanta Kaumudi.
B.A. ES 25.5	Write short paras and translate sentence into Sanskrit.

### Co-PO Mapping Matrix for Course Code B.A. (Sanskrit) ES 25

PO CO	P01	P02	P03	P04	P05	P06	P07	P08	P09
B.A. ES 25.1	3	3	3	2	3	3	3	3	3
B.A. ES 25.2	3	2	2	3	3	3	3	2	3
B.A. ES 25.3	3	2	3	3	3	3	2	3	2
B.A. ES 25.4	3	3	3	3	3	3	2	3	3
B.A. ES 25.5	2	2	3	2	2	3	3	3	3
Average	2.8	2.4	2.8	2.6	2.8	3	2.6	2.8	2.8

### CO-PSO Mapping Matrix for course Code B.A. (Sanskrit) ES 25

PSO CO	PS01	PS02	PS03	PS04	PS05	PS06	PS07
B.A. ES 25.1	3	3	2	3	2	3	3
B.A. ES 25.2	3	3	3	2	3	2	2
B.A. ES 25.3	3	3	2	2	3	3	3
B.A. ES 25.4	2	3	3	3	3	3	3
B.A. ES 25.5	3	2	3	3	3	3	3
Average	2.8	2.8	2.6	2.6	2.8	2.8	2.8

**Semester : 6<sup>th</sup>**  
**BA- ES26 : Sanskrit (Elective)**

**Course Objectives:-** The main aim of the course is to increase the knowledge of Literature review through the formal structure of Sanskrit Drama in the tradition of Bharat's Natyashastra and developing the skill of writing essays.

## Course Outcomes

At the end of this course the student will be able to

B.A. ES 26.1	Know about the Sanskrit Drama.
B.A. ES 26.2	Enhance the ability of critical things on the issue of culture,morality,religion,nationality etc.
B.A. ES 26.3	Know about the styles and thoughts of individual Poets focusing on the poetical,artistic,cultural and historical aspects of their works.
B.A. ES 26.4	Develop skill of writing essays.
B.A. ES 26.5	Write short paragraph and translate sentence into Sanskrit.

Co-PO Mapping Matrix for Course Code B.A. (Sanskrit) ES 26									
PO CO	P01	P02	P03	P04	P05	P06	P07	P08	P09
B.A. ES 26.1	3	3	2	2	3	3	3	2	3
B.A. ES 26.2	2	2	3	3	3	3	2	2	3
B.A. ES 26.3	3	2	3	3	3	3	3	3	2
B.A. ES 26.4	3	3	2	3	3	3	2	3	3
B.A. ES 26.5	2	2	3	2	2	3	3	3	3
Average	2.6	2.4	2.6	2.6	2.8	3	2.6	2.6	2.8

CO-PSO Mapping Matrix for course Code B.A. (Sanskrit) ES 26							
PSO CO	PS01	PS02	PS03	PS04	PS05	PS06	PS07
B.A. ES 26.1	3	3	2	3	2	3	3
B.A. ES 26.2	2	3	3	3	3	3	2
B.A. ES 26.3	3	2	2	2	3	3	2
B.A. ES 26.4	2	3	2	3	3	3	3
B.A. ES 26.5	3	2	3	3	3	3	3
Average	2.6	2.6	2.4	2.8	2.8	3	2.6

*Bakhar .*  
Principal  
Dyal Singh College  
KARNAL



# **Department of Punjabi**

Course Specific Outcomes  
&  
Programme Specific Outcomes

**For B.A. Course**

**Dyal Singh College, Karnal**

**Name of the Programme: BACHELOR OF ARTS (B.A.)**

**Duration: Three Years**

<b>Programme Outcomes (POs) for UG courses of Faculty of Arts</b>		
<b>PO1</b>	<b>Knowledge</b>	Capable to apply the full scale and the thorough knowledge in social practices gained during multidisciplinary course of study.
<b>PO2</b>	<b>Communication</b>	Developing skills that shall facilitate effective communication among students at personal, professional and social levels. Students shall develop oral communication skills that will help them in real-life situations.
<b>PO3</b>	<b>Problem Solving</b>	Students will be ignited enough to apply and utilize their knowledge in problem-solving at critical levels. Such critical analysis and problem-solving skills will aid students in research work and in real life as well.
<b>PO4</b>	<b>Individual and Team Work</b>	Students shall demonstrate commendable work values and ethics at individual and team levels so as to become responsible member of community and society at large.
<b>PO5</b>	<b>Investigation of Problems</b>	To develop abilities of critical thinking, analysis and logical reasoning in students that will help them in research work.
<b>PO6</b>	<b>Modern Tool Usage</b>	Ability to grasp new concepts and skills through informative videos available on YouTube, and PowerPoint presentations prepared by the faculty.
<b>PO7</b>	<b>Science and Society</b>	Shaping the students as socially responsible citizens by developing a scientific as well as humane outlook towards life.
<b>PO8</b>	<b>Life-Long Learning</b>	Acquiring profound knowledge in the field of literature which includes philosophical, historical and sociological strains thereby sensitizing students to life and equipping them to deal with it in a better manner.
<b>PO9</b>	<b>Environment and Sustainability</b>	Appreciating the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.
<b>PO10</b>	<b>Ethics</b>	Developing the emotional, aesthetic, reflective and intellectual faculties of students in order to enhance their ethical quotient.

<b>Programme Specific Outcomes (PSOs) for PUNJABI (ELECTIVE) subject of B.A.</b>	
The aim of the curriculum designed for Punjabi course is to nurture the Moral, Spiritual and Vocational aptitude of students for professional competency in the area of media, film industry, teaching and Research programmes.	
<b>PSO1</b>	The teaching of Guru Granth sahib is relevant in all times. These teachings present a model human being whom one can imitate to solve his all worldly problems.
<b>PSO2</b>	The status of second official language of Haryana being given to Punjabi shows the importance of this spiritual and scientific language. The knowledge of Punjabi opens door to more employment opportunities to students in India as well as throughout world.
<b>PSO3</b>	Student in entertainment industry can have many roles to play like host, actor, musician and singer. The success of Punjabi film industry speaks in volume about the potential the Punjabi language has in for media sector.
<b>PSO4</b>	The research and teaching profession in Punjabi has golden future.
<b>PSO5</b>	The necessity of having basic knowledge of Punjabi language in competitive exams shows how Punjabi language has conquered its much desired place.
<b>PSO6</b>	This course of Punjabi will be a major step ahead towards attainment of self employment goals in students.

**B. A. Ist Year (Ist Semester) PUNJABI (ELECTIVE)**

**Course Outcomes of Paper-I (PUN-101) PUNJABI (ELECTIVE)**

**Course Objectives:** To give a detailed description of basic principle and functional study employed in modern Panjabi poems and novels.

**Course outcomes:** At the end of this course, the student will be able to

<b>PUN-101.1</b>	Have understanding of Panjabi poem and poetry after going through the book “KAV-NAD”
<b>PUN-101.2</b>	Develop a feeling for country, Punjabi language and mysticism involved in it.
<b>PUN-101.3</b>	Gain knowledge about grammar, idioms and phrases etc. associated with Punjabi language.
<b>PUN-101.4</b>	Learn the way to communicate professionally in Punjabi.

**Mapping of CO with PO's**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>PUN-101.1</b>	3	3	3	3	3	3	3	3	3	3	3
<b>PUN-101.2</b>	3	2	2	3	3	3	3	3	3	3	3
<b>PUN-101.3</b>	3	3	3	3	3	2	3	3	3	3	2
<b>PUN-101.4</b>	3	2	2	2	3	3	3	2	3	3	2
Average	3	2.5	2.5	2.75	3	2.75	3	2.75	3	3	2.5

**Mapping of CO with PSO's**

Cos#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>PUN-101.1</b>	3	3	3	3	3
<b>PUN-101.2</b>	3	3	3	3	3
<b>PUN-101.3</b>	3	3	3	3	3
<b>PUN-101.4</b>	3	3	3	3	3
Average	3	3	3	3	3

**B. A. Ist Year (II<sup>nd</sup> Semester) PUNJABI (ELECTIVE)****Course Outcomes of Paper-I (PUN-102) PUNJABI (ELECTIVE)****Course Objectives:** To provide all inclusive information of Punjabi literature**Course outcomes:** At the end of this course, the student will be able to

<b>PUN-102.1</b>	Develop thorough understanding of romanticism, progressivism involved in poetry included in the collection of “KAV-NAD”
<b>PUN-102.2</b>	Connect with one act play writers and will make them familiar with the literary characteristic of one act play book “IKANGI-BAHURANGI”.
<b>PUN-102.3</b>	Acquaint with social behaviour and problems concerned with farmers through these one act plays.
<b>PUN-102.4</b>	Enrich his vocabulary through learning of administrative vocabulary. Through idioms and phrases, intellectual power of students will enhance many folds.

**Mapping of CO with PO's**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>PUN-102.1</b>	3	3	3	3	3	3	3	3	3	3	3
<b>PUN-102.2</b>	3	2	2	3	3	3	3	3	3	3	3
<b>PUN-102.3</b>	3	3	3	3	3	2	3	3	3	3	2
<b>PUN-102.4</b>	3	2	2	2	3	3	3	2	3	3	2
Average	3	2.5	2.5	2.75	3	2.75	3	2.75	3	3	2.5

**Mapping of CO with PSO's**

Cos#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>PUN-102.1</b>	3	3	3	3	3
<b>PUN-102.2</b>	3	3	3	3	3
<b>PUN-102.3</b>	3	3	3	3	3
<b>PUN-102.4</b>	3	3	3	3	3
Average	3	3	3	3	3

**B. A. II<sup>nd</sup> Year (III<sup>rd</sup> Semester) PUNJABI (ELECTIVE)****Course Outcomes of Paper-I (PUN-103) PUNJABI (ELECTIVE)**

**Course Objectives:** To provide information about Punjabi Sufi literature, poetry, inspired folk and “Veer Kavya”.

**Course outcomes:** At the end of this course,

<b>PUN-103.1</b>	Students are encouraged by making use of bases of poets literary life Included in “Kavya-taranga.”
<b>PUN-103.2</b>	The students are provided information about ideology included in Punjabi story by making “Katha Yatra” as the bases.
<b>PUN-103.3</b>	An attempt has been made to develop the style of essay writing among the students of any topics in a broad way.
<b>PUN-103.4</b>	Student will be able to understand various devices used in poetry like “Chand Dohra, Sortha, Kabit, Korda, Chopai, Saviya, Deod”.

**Mapping of CO with PO's**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>PUN-103.1</b>	3	3	3	3	3	3	3	3	3	3	3
<b>PUN-103.2</b>	3	2	2	3	3	3	3	3	3	3	3
<b>PUN-103.3</b>	3	3	3	3	3	2	3	3	3	3	2
<b>PUN-103.4</b>	3	2	2	2	3	3	3	2	3	3	2
Average	3	2.5	2.5	2.75	3	2.75	3	2.75	3	3	2.5

**Mapping of CO with PSO's**

Cos#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>PUN-103.1</b>	3	3	3	3	3
<b>PUN-103.2</b>	3	3	3	3	3
<b>PUN-103.3</b>	3	3	3	3	3
<b>PUN-103.4</b>	3	3	3	3	3
Average	3	3	3	3	3

**B. A. II<sup>nd</sup> Year (4th Semester) PUNJABI (ELECTIVE)****Course Outcomes of Paper-I (PUN-104) PUNJABI (ELECTIVE)**

**Course Objectives:** To impart the information of knowledge of medieval Punjabi poetry up to make the student aware of this knowledge

**Course outcomes:** At the end of this course, the student will be able to

<b>PUN-104.1</b>	Add to the knowledge of student to the use of the text in title “KAV TARANGA”
<b>PUN-104.2</b>	Get to know about the history of Punjabi literature from 800 A.D to 1900 A.D.
<b>PUN-104.3</b>	Learn adornments which provide beauty to the poems.
<b>PUN-104.4</b>	Increase his official vocabulary that will also increase knowledge of English language.

**Mapping of CO with PO's**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>PUN-104.1</b>	3	3	3	3	3	3	3	3	3	3	3
<b>PUN-104.2</b>	3	2	2	3	3	3	3	3	3	3	3
<b>PUN-104.3</b>	3	3	3	3	3	2	3	3	3	3	2
<b>PUN-104.4</b>	3	2	2	2	3	3	3	2	3	3	2
Average	3	2.5	2.5	2.75	3	2.75	3	2.75	3	3	2.5

**Mapping of CO with PSO's**

Cos#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>PUN-104.1</b>	3	3	3	3	3
<b>PUN-104.2</b>	3	3	3	3	3
<b>PUN-104.3</b>	3	3	3	3	3
<b>PUN-104.4</b>	3	3	3	3	3
Average	3	3	3	3	3

**B. A. III<sup>rd</sup> Year (5<sup>th</sup> Semester) PUNJABI (ELECTIVE)****Course Outcomes of Paper-I (PUN-105) PUNJABI (ELECTIVE)**

**Course Objectives:** To enhance knowledge about “Gurmat” poetry practice and also enrich knowledge through teachings of thinking of eminent philosophers from Punjabi literature.

**Course outcomes:** At the end of this course, the student will be able to

<b>PUN-105.1</b>	Learn about “Sufi Kissa” and “Vaar” poetry after reading collection in “KAV - JOTA”
<b>PUN-105.2</b>	Get to know about the essays written in book “Gadya Darpan”
<b>PUN-105.3</b>	Have an insight of various forms of Punjabi literature alongwith a glance on “Vaar, Gajal, Kaafi, Rubai, Jangnaama, Mahakaav.
<b>PUN-105.4</b>	Acquire skill for translation of Punjabi language with enriched vocabulary.

**Mapping of CO with PO's**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>PUN-105.1</b>	3	3	3	3	3	3	3	3	3	3	3
<b>PUN-105.2</b>	3	2	2	3	3	3	3	3	3	3	3
<b>PUN-105.3</b>	3	3	3	3	3	2	3	3	3	3	2
<b>PUN-105.4</b>	3	2	2	2	3	3	3	2	3	3	2
Average	3	2.5	2.5	2.75	3	2.75	3	2.75	3	3	2.5

**Mapping of CO with PSO's**

Cos#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>PUN-105.1</b>	3	3	3	3	3
<b>PUN-105.2</b>	3	3	3	3	3
<b>PUN-105.3</b>	3	3	3	3	3
<b>PUN-105.4</b>	3	3	3	3	3
Average	3	3	3	3	3



**B. A. III<sup>rd</sup> Year (6<sup>th</sup> Semester) PUNJABI (ELECTIVE)****Course Outcomes of Paper-I (PUN-106) PUNJABI (ELECTIVE)**

**Course Objectives:** To provide thorough knowledge about “Gurmat Saahit” alongwith “Punjabi saahit”.

**Course outcomes:** At the end of this course, the student will be able to


<b>PUN-106.1</b>	Have an insight of major philosopher of Punjabi literature after going through collections in “Kavya Jota”
<b>PUN-106.2</b>	Have a complete information of Punjabi literature since 1000 A.D.
<b>PUN-106.3</b>	Learn about the fabrication of various forms of Punjabi literature.
<b>PUN-106.4</b>	Develop the art of good writing with proper command on grammar.

**Mapping of CO with PO's**

Cos#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>PUN-106.1</b>	3	3	3	3	3	3	3	3	3	3	3
<b>PUN-106.2</b>	3	2	2	3	3	3	3	3	3	3	3
<b>PUN-106.3</b>	3	3	3	3	3	2	3	3	3	3	2
<b>PUN-106.4</b>	3	2	2	2	3	3	3	2	3	3	2
Average	3	2.5	2.5	2.75	3	2.75	3	2.75	3	3	2.5

**Mapping of CO with PSO's**

Cos#	PSO1	PSO2	PSO3	PSO4	PSO5
<b>PUN-106.1</b>	3	3	3	3	3
<b>PUN-106.2</b>	3	3	3	3	3
<b>PUN-106.3</b>	3	3	3	3	3
<b>PUN-106.4</b>	3	3	3	3	3
Average	3	3	3	3	3

  
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KARNAL