

Mathematics Association 2022-2023 Activities

Dyal Singh College, Karnal

President: Dr. Vishakha Gupta

Vice-President: Dr. Vivek Parkash

Mathematics Association organized an invited talk on the topic Algebra and Number Theory on November 18, 2022. Prof(Retd) Ram Karan, Department of Mathematics, Kurukshetra University, Kurukshetra was invited to deliver the lecture. A large no of students participated in the activity and gained knowledge from his valuable speech.







$f(x)$
cont
 $fg = f \circ g = I$
 $f(g(x)) = (f \circ g)(x)$

def
 $f: S \rightarrow S$
 $f \circ g = f \circ g$
 $f \circ (g \circ h) = (f \circ g) \circ h$
 $f \circ I = f$
 $I \circ f = f$

$S \rightarrow f$
 $AC(S) = \{f: S \rightarrow S \mid f \circ f = I\}$
 $(f \circ g) \circ h = f \circ (g \circ h)$
 $f \circ (g \circ h) = (f \circ g) \circ h$
 $f \circ I = f$
 $I \circ f = f$

$AC(S)$ is a group under composition
 $(f \circ g) \circ h = f \circ (g \circ h)$
 $f \circ I = f$
 $I \circ f = f$
 $f \circ f^{-1} = I$
 $f^{-1} \circ f = I$



