

SNS COLLEGE OF TECHNOLOGY



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DEPARTMENT OF MATHEMATICS

Notateons:
Z -> the sot of all appregents
Q -> the set of all rational numbers
R > the set of all steal humberts
DT the lat of all positive stead is an interior
Ot the got of all Postfive That correct
C > the set of all complex humborts.
ette the
Semigroup: non empty get & togethor with pa
Is a non employ satasbyang the formation
Semigroup: If a non empty set & together with the binary operation (*) satisfying the following properties.
i) closure property, so called semigroup
i). closure property, 33 called somigroup. ii). Associative property, 33 called somigroup.
1 manually get M together with 0
operation (*) surveying the voltage
i). closwie ii). Associative
i i nopola
iii) Identity, 93 called increation
iii) Identity, 18 curren
Examples: Examples: (1) The example of quasi group. (closure)
iii) Identify, 38 culler Examples: J. (Z,) is the example of quasi group. (closwie)
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