LESSON – PLAN

Session:- 2020-2021

Subject:- Mathematics
Paper:- Groups and Rings

Class:- BA/BSC-3rd
(NM+CS)

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ST. No.	Week	Topic Covered
1.	16-11-2020 to 21-11-2020	Definition of a group, Examples, simple properties of group, Subgroup, criteria of subgroup
2.	23-11-2020 to 28-11-2020 & 30-11-2020	Generation of Groups, cyclic groups, cosets, Langrange's Theorem and its consequences, Normal subgroups and quotient Groups.
3.	-1-12-2020 to 05-12-2020	Homomorphism of a group, isomorphisms and automorphisms of a group.
4	7-12-2020 to 12-12-2020	Inner automorphisms of a group, automorphisms of a cyclic group.
5	14-12-2020 to 19-12-2020	Centre of a group, characteristic group, Commutator of a group, derived group.
6	21-12-2020 to 26-12-2020	Permutation group and related results, Introduction to rings, subrings, Integral domains and fields, characteristics of a ring. Assignment -I
7	28-12-2020 to 31-12-2020	Ideals:- Definition of an ideal of a ring, Theorems based on Ideals.
8	01-01-2021 to 02-01-2021	Types of ideals.
9	04-01-2021 to 09-01-2021	Examples based on ideals and some theorems

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Wo.	Week	TOPIC COVERED
10	11-01-2021 to 16-01-2021	Euclidean Rings
11	18-01-2021 to 23-01-2021	Euclidean Rings, Unit Test Introduction to Polynomial Rings
12	25-01-2021 to 30-01-2021	Polynomial rings continued.
13	01-02-2021 to 06-02-2021	Polynomial rings continued Assignment - II
14	08-02-2021 to 13-02-2021	Ring Homomorphism (Introduction)
15	15-02-2021 to 20-02-2021	Ring homomorphisms continued.
16	22-02-2021 to 27-02-2021	Revision

from:-

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