

B.Sc (H) Mathematics – IIIrd Sem

Paper Code: MAC-301

Paper Title: Group Theory – I

Book Recommended: Contemporary Abstract Algebra, Joseph. A. Gallian

Internal Assessment Schedule

Date	Component	Objectives	Marks	Syllabus	Evaluation policy
17-08-2016	Test-I	To strengthen the basics of group theory and build command over the group of symmetries of regular polygons	10	Introduction to groups , Dihedral group	Paper would be a well mix of objective as well as subjective concepts, so marks gained would depend on how crisp and to the point is the students response.
24-09-2016	Test -II	To build up a flow of all the results and properties of the very useful cyclic groups	10	Subgroups and Cyclic groups	Paper would be a well mix of objective as well as subjective concepts, so not only proofs to standard theorems but command on each and every property of subgroups and cyclic groups would fetch the best score.
23-10-2016	Test-III	To test the conceptual clarity of symmetric groups of degree n	10	Permutation groups	Proofs of the said topic are more of logical and language based so

					proper explanation in words is expected.
7-11-2016	Test-IV (optional)	To test the concept of mappings between groups	10	Group homomorphism & Isomorphisms	Paper would be a well mix of objective as well as subjective concepts, and marks would be awarded for well written proofs showing all steps