

Part A: Introduction

Program: Certificate Course		Class: B. A. / B.Sc. Part I	Year: 2022	Session:2022-2023
1	Course Code	Paper – MATH-2T		
2	Course Title	Algebra		
3	Course Type	Theory		
4	Pre-requisite (if any)	No		
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Employ De Moivre's theorem in a number of applications to solve numerical problems. • Learn about the fundamental concepts of groups, subgroups, normal subgroups, isomorphism theorems, cyclic and permutation groups. • Recognize consistent and inconsistent systems of linear equations by the row echelon form of the augmented matrix, using rank. • Find eigen values and corresponding eigen vectors for a square matrix. • Understand real vector spaces, subspaces, basis, dimension and their properties. 		
6	Credit Value	4		
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :	

Part A: Introduction

Program: Certificate Course		Class: B.A./ B.Sc. I	Year: 2022	Session: 2022-2023
1	Course Code	MATH-1P (I)		
2	Course Title	I - Lab 01 - Calculus and Algebra		
3	Course Type	Practical		
4	Pre-requisite (if any)	No		
5	Course Learning Outcomes (CLO)	At the end of course, Students will be able to <ul style="list-style-type: none">• Learn Free and Open Source Software (FOSS) tools for computer programming• Solve problems on Calculus and Algebra theories studied in Mathematics Paper 1 and 2 by using FOSS softwares.• Acquire knowledge of applications of Calculus and Algebra through FOSS.		
6	Credit Value	2		
7	Total Marks	Max. Marks: 50	Min Passing Marks : 17	