



Five years Integrated M.Sc. Mathematics (Semester - 5)

Assessment Policy

060090505: DSE2Group Theory

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 40 marks	Remarks
A1	Unit Test	90 minutes	2	30	$7 \times 2 = 14$	Unit Test 1: -After the completion of whole unit 1 and Unit 2 (i.e. 2.1, 2.2, 2.3) Unit Test 2: -After the completion of Unit 2 (2.4, 2.5, 2.6, 2.7) and whole Unit 3
A2	Internal Exam	3 hours	1	60	$14 \times 1 = 14$	Cover Unit: - All Units
A3	Assignment	15 Days	4	10	$1.75 \times 4 = 7$	Cover Unit: - All Units
A4	Presentation and Viva	20 Minutes	1	5	$1 \times 5 = 5$	Cover Unit: - All Units

Assessment Type Classification:

Assessment Code :	A1	Coverage of Content :	From whole unit 1 and Unit 2 (i.e. 2.1, 2.2, 2.3)
Assessment Type :	Unit Test 1	Tentative Date :	14/08/2019
Kind of Question Format:	Q1(A) Answer the following Q1(B) Answer the following. (Any 1) Q1(C) Answer the following. (Any 2) Q2(A) Answer the following Q2(B) Answer the following. (Any 1) Q2(C) Answer the following. (Any 2)	[1 X 2 = 2] [1 X 3 = 3] [2 X 5 = 10] [1 X 2 = 2] [1 X 3 = 3] [2 X 5 = 10]	
Assessment :	Formative		

Assessment Code :	A1	Coverage of Content :	From Unit 2 (2.4, 2.5, 2.6, 2.7) and whole Unit 3
Assessment Type :	Unit Test 2	Tentative Date :	19/09/2019



Kind of Question Format:	Q1(A) Answer the following [1 X 2 = 2] Q1(B) Answer the following. (Any 1) [1 X 3 = 3] Q1(C) Answer the following. (Any 2) [2 X 5 = 10] Q2(A) Answer the following [1 X 2 = 2] Q2(B) Answer the following. (Any 1) [1 X 3 = 3] Q2(C) Answer the following. (Any 2) [2 X 5 = 10]
Assessment :	Formative

Assessment Code :	A2	Coverage of Content :	All Units
Assessment Type :	Internal Exam	Tentative Date :	17/10/2019
Kind of Question Format:	Que. 1) Do as directed: [a] Objective questions [two questions, each of 1 marks] [1 x 2] [a] Short questions [Any one out of two questions , each of 3 marks] [1 x 3] [a] Long questions [Any two out of three questions , each of 5 marks] [2 x 5] Que. 2) Do as directed: [a] Objective questions [two questions, each of 1 marks] [1 x 2] [a] Short questions [Any one out of two questions , each of 3 marks] [1 x 3] [a] Long questions [Any two out of three questions , each of 5 marks] [2 x 5] Que. 3) Do as directed: [a] Objective questions [two questions, each of 1 marks] [1 x 2] [a] Short questions [Any one out of two questions , each of 3 marks] [1 x 3] [a] Long questions [Any two out of three questions , each of 5 marks] [2 x 5] Que. 4) Do as directed: [a] Objective questions [two questions, each of 1 marks] [1 x 2] [a] Short questions [Any one out of two questions , each of 3 marks] [1 x 3] [a] Long questions [Any two out of three questions , each of 5 marks] [2 x 5]		
Assessment :	Summative		



Assessment Code :	A3	Coverage of Content :	All Units
Assessment Type :	Assignment		
Rules :	1. 20 (10 question+ 10 question given in each tutorial) questions from each unit will be given as assignment. 2. Questions will be given in every tutorial lecture. 3. 7 days will be given for assignment submission. 4. Zero marks will be given for submission after given deadline.		
Assessment :	Formative		

Assessment Code :	A4	Coverage of Content :	All Units
Assessment Type :	Presentation and Viva		
Rules :	1. Topic should be given from the syllabus before 20 days of the presentation. 2. 15 minutes should be given for presentation 3. Viva should be taken after completion of presentation 4. Zero marks will be given, if students remain absent on the day of presentation without taking prior permission of leave or students not give the presentation of given topic.		
Assessment :	Summative		

Course outcomes: Upon completion of the course, students shall be able to

CO1: summarize the properties of group and classify that whether set of elements with binary operation is group or not.

CO2: determine possible subgroups of a group, to identify normal subgroups of a group.

CO3: explain the subgroups using Lagrange's theorem and to construction a permutation group.

CO4: determine a given group is cyclic or not and find a generator for a subgroup of a given order, verify that the cyclic group is isomorphism or not.

CO5: define and test a potential isomorphism for being well-defined, a homomorphism and understand the significance of Cayley's theorem.

Programme Outcomes (PO)

PO1: Knowledge

Provides knowledge about the fundamentals of pure, applied and computing mathematics and its applications to students that creates the opportunities in industries and research centers.

PO2: Core Competence

Creates competency in science and mathematics to formulate, analyses and solve problem and/or also to pursue advanced study or research.

PO3: Breadth



Trains students having good knowledge in unearth core of academia and industry by the roots of mathematics.

PO4: Evaluation

Imparts in students to raise trial and error-based curiosity and problem-solving functionality with research based advanced tutorial for higher level decision makings tools.

Assessment Code	Course Outcomes					Programme Outcomes			
	CO1	CO2	CO3	CO4	CO5	PO1	PO2	PO3	PO4
A1	✓	✓	✓	✓		✓		✓	✓
A2	✓	✓	✓	✓	✓	✓		✓	✓
A3	✓	✓	✓	✓	✓	✓	✓	✓	✓
A4	✓	✓	✓	✓	✓	✓		✓	✓