



Integrated M.Sc. Mathematics (Semester - 7)

Assessment Policy

060090701: Topology

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 : Unit 1 and Unit 2.1 - 2.3 Unit Test 2 : Unit 2.4,2.5 and Unit 3
A2	Internal Exam	180 Minutes	1	60	$14 \times 1 = 14$	Cover Unit : All Units
A3	Assignment	15 Days	4	7	$1.75 \times 4 = 7$	Cover Unit : All Units
A4	Viva	20 Minutes	1	5	$5 \times 1 = 5$	Cover Unit : All Units

Assessment Type Classification:

Assessment Code :	A1	Coverage of Content :	Unit Test 1 : Unit 1 and Unit 2.1 - 2.3 Unit Test 2 : Unit 2.4,2.5 and Unit 3
Assessment Type :	Unit Test	Tentative Date :	16/09/2019 and 11/10/2019
Kind of Question Format:	Que: 1 (A) Answer the Following [only one Compulsory] (5 Marks) (B) Answer the Following [Any two out of three] (10 Marks) Que: 2 (A) Answer the Following [only one Compulsory] (5 Marks) (B) Answer the Following [Any two out of three] (10 Marks)		
Assessment :	Formative		

Assessment Code :	A2	Coverage of Content :	All Units
Assessment Type :	Internal Exam	Tentative Date :	05/12/2019
Kind of Question Format:	Same as University Format		
Assessment :	Formative		



Assessment Code :	A3	Coverage of Content :	All Units
Assessment Type :	Assignment	Tentative Date :	04/09/2019, 04/10/2019, 12/11/2019 and 20/11/2019
Rules:	1. 20 questions from each unit will be given as assignment. 2. 15 days will be given for assignment submission. 3. Zero marks will be given for submission after given deadline		
Assessment :	Summative		

Assessment Code :	A4	Coverage of Content :	All Units
Assessment Type :	Viva	Tentative Date :	05/12/2019
Rules:	1. Viva should be taken after submission of assignments. 2. Zero marks will be given, if students remain absent on the time of viva without taking prior permission of leave.		
Assessment :	Summative		

Course Outcomes:

Upon completion of the course, students shall be able to

CO1: identify the concepts of distance between two sets, connectedness, denseness, compactness and separation axioms.

CO2: know the two fundamental topologies: discrete and indiscrete topologies.

CO3: provide the awareness of tools for students to carrying out advanced research work in pure mathematics.

CO4: ability to establish the denseness of a given subset of a space.

CO5: formulate topology of a problem and resolve it using acquired knowledge of the topology.

CO6: use embeddings to understand the digital topology and image processing applications.

Programme Outcomes (PO)

PO 1: 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.

PO 2: Core Competence

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



PO 3: Breadth

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

PO 4: 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			
	C01	C02	C03	C04	C05	C06	P01	P02	P03	P04
A1	✓					✓	✓	✓	✓	
A2		✓		✓				✓		✓
A3	✓	✓	✓		✓		✓		✓	✓
A4	✓					✓	✓	✓	✓	✓