Five years Integrated M.Sc. Mathematics (Semester - 1)
Assessment Policy
060090105 - CC1 Differential and Integral Calculus

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 x 2 = 14	Unit Test 1: After completion of Unit 2 Unit Test 2: After completion of Unit 34
A2	Internal Exam	180 Minutes	1	60	14 x 1 = 14	Covers Unit- All Units
A3	Assignment	7 Days	4	1.75	4 x 1.75 = 7	Covers Unit- All Units
A4	Viva	1 Day	1	5	5 x 1 = 5	Covers Unit- All Units

Assessment Type Classification:

Assessment Code :	A1	**Coverage of Content :**	From Unit 1 & Unit 2(Half)
Assessment Type :	Unit Test 1	**Tentative Date :**	16/09/2019 to 18/09/2019
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 :	A1	Coverage of Content :	From Unit 2(Half) & Unit 3
Assessment Type :	Unit Test 2	Tentative Date :	11/10/2019 to 18/10/2019
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 unit
Assessment Type :	Internal examination	Tentative Date :	15/12/2019 to 21/12/2019
Kind of Question Format:	Same as university format		
Assessment :	Formative		

Assessment Code :	A3	Coverage of Content :	All unit

Assessment Type :	Assignment	Tentative Date :	22/11/2019 to 26/11/2019
Kind of Question **Format:**	1. 10 questions (5 short questions and 5 long questions) from all unit will be given as assignment. 2. Questions will be given in the very next lecture once the unit gets over. 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 unit
Assessment Type :	Viva	**Tentative Date :**	22/11/2019 to 26/11/2019
Kind of Question **Format:**	1. 10-12 basic and short type of question asked to each student from any unit with equal weightage. 2. Marks will be given on the basis of knowledge share.		
Assessment :	Formative		

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

CO1: understand the differentiation of hyperbolic functions and derive n^{th} order derivative of function.

CO2: verify the value of the limit of a function at a point using the definition of the limit.

CO3: calculate the limit of a function at a point numerically and algebraically using L'hospital's rule.

CO4: understand concept of parameterized curve from algebraic, geometric and physical standpoints.

CO5: evaluate the reduction formula of integration and derive the length of arc, area of surface and volume of solid.

CO6: formulate the region of structured and unstructured solid into the form of double and triple integrals and obtained their area, mass and volume.

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.

Programme Outcomes and Course Outcomes Mapping:

Assessment Code	Course Outcomes						Programme Outcomes			
	CO1	CO2	CO3	CO4	CO5	CO6	PO1	PO2	PO3	PO4
A1	✓					✓	✓	✓	✓	
A2		✓			✓		✓	✓		✓
A3			✓		✓				✓	✓
A4	✓			✓		✓		✓	✓	✓