



Five years Integrated M.Sc. Mathematics (Semester - 6)

Assessment Policy

060090601: CC13 Partial Differential Equation (Theory - 4 Credits)

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 completion of Unit-1 and Unit- 2 Unit Test - 2: After completion of Unit- 3 and Unit - 4
A2	Internal Examination	180 minutes	1	60	$14 \times 1 = 14$	All units.
A3	Assignment	10 days	4	10	$1.75 \times 4 = 7$	Assignment -1 : After completion of Unit-1 Assignment -2 : After completion of Unit-2 Assignment -3 : After completion of Unit-3 Assignment -4 : After completion of Unit-4
A4	Viva/Presentation	15 minutes	1	10	$5 \times 1 = 5$	Based on the partial differential equation

Assessment Type Classification:

Assessment Code :	A1	Coverage of Content :	Unit Test - 1: Covers Unit-1 and Unit- 2.
Assessment Type :	Unit Test-1	Tentative Date :	Unit Test - 1:21/01/2019
Kind of Question Format:	Que. 1) a) Answer the following Question. (Any one out of two, each of 2 marks) b) Answer the following Question. (Any one out of two, each of 3 marks) c) Answer the following Question. (Any two out of three, each of 5 marks) Que. 2) a) Answer the following Question. (Any one out of two, each of 2 marks) b) Answer the following Question. (Any one out of two, each of 3 marks) c) Answer the following Question. (Any two out of three, each of 5 marks)		
Assessment :	Formative		



Assessment Code :	A1	Coverage of Content :	Unit Test – 2: Covers Unit-3 and Unit- 4.
Assessment Type :	Unit Test -2	Tentative Date :	Unit Test – 2: 05/03/2019
Kind of Question Format:	Que. 1) Answer the following Question. (Any three out of four, each of 5 marks) Que. 2) a) Answer the following Question. (each of 8 marks) Or a) Answer the following Question. (each of 8 marks) b) Answer the following Question. (each of 7 marks) Or b) Answer the following Question. (each of 7 marks)		
Assessment :	Formative		

Assessment Code :	A2	Coverage of Content :	All Units
Assessment Type :	Internal Examination	Tentative Date :	01/04/2019
Kind of Question Format:	Que. 1) a) Answer the following Question. (Any one out of two, each of 2 marks) b) Answer the following Question. (Any one out of two, each of 3 marks) c) Answer the following Question. (Any two out of three, each of 5 marks) Que. 2) a) Answer the following Question. (Any one out of two, each of 2 marks) b) Answer the following Question. (Any one out of two, each of 3 marks) c) Answer the following Question. (Any two out of three, each of 5 marks) Que. 3) Answer the following Question. (Any three out of four, each of 5 marks) Que. 4) a) Answer the following Question. (each of 8 marks) Or a) Answer the following Question. (each of 8 marks) b) Answer the following Question. (each of 7 marks) Or b) Answer the following Question. (each of 7 marks)		
Assessment :	Formative		



Assessment Code :	A3	Coverage of Content :	Assignment - 1 : After completion of Unit-1 Assignment - 2 : After completion of Unit-2 Assignment - 3 : After completion of Unit-3 Assignment - 4 : After completion of Unit-4
Assessment Type :	Assignment	Tentative Date :	Assignment - 1 : 14/12/2019 Assignment - 2 : 19/01/2019 Assignment - 3 : 28/02/2019 Assignment - 4 : 25/03/2019
Kind of Question Format:	1. 10 questions (short questions and long questions) from all units will be given as assignment. 2. Questions will be given in the very next lecture once the unit gets over. 3. Assignment has to be submitted after two days of completion of whole unit. 4. Zero mark will be given for submission after given deadline.		
Assessment :	Formative		

Assessment Code :	A4	Coverage of Content :	All Units
Assessment Type :	Viva	Tentative Date :	01/04/2019
Kind of Question Format:	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 :	Formative		



Five years Integrated M.Sc. Mathematics (Semester - 6)

Assessment Policy

060090601: CC13 Partial Differential Equation (Practical - 2 Credits)

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 40 marks	Remarks
P1	Practical Examination	90 minutes	2	30	$15 \times 2 = 30$	Practical - 1: After completion of Unit-2 Practical - 2: After completion of Unit-3
P2	Practical Examination	90 minutes	1	40	$20 \times 1 = 20$	Practical - 3: After completion of Unit-4

Assessment Code :	A5	Coverage of Content :	Practical - 1: After completion of Unit-1 and Unit-2 Practical - 2: After completion of Unit-3 Practical - 3: After completion of Unit-4
Assessment Type :	Practical Examination	Tentative Date :	Practical - 1: 24/01/2019 Practical - 2: 11/03/2019
Kind of Question Format:	1. Practical Programme (2 out of 3, each of 10 Marks) 2. Journal Submission (5 Marks) 3. Viva Voce (5 Marks)		
Assessment :	Formative		

Assessment Type Mapping with Course Outcomes and Program Outcomes:

Course outcomes:

Upon completion of the course, students shall be able to

C01: identify partial differential equation and its order and degree.

C02: Classify partial differential equations into linear and nonlinear equations and formulate partial differential equation form general solution.

C03: identify appropriate solution procedures for a given partial differential equation.

C04: find the general solution of second order linear homogeneous equations with constant coefficients.



C05: use the method of variation of parameters to find particular solutions of second order, linear homogeneous equations

C06: apply a selection of standard solution techniques such as separation of variables and integral transform methods to the solution of partial differential equations.

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	✓		✓		✓	✓	✓		✓	✓
A5	✓	✓	✓	✓			✓	✓	✓	✓