



Five years Integrated M.Sc. Mathematics (Semester – 3)

Assessment Policy

060090306: Basics of Statistics (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 Sub Units 2.1, 2.2. Unit Test – 2: After completion of Sub Units 2.3, 2.4 and Unit – 3.
A2	Internal Examination	180 minutes	1	60	$14 \times 1 = 14$	After completion of Unit-4, which covers 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	Presentation	1 hour	1	40	$5 \times 1 = 5$	Cover all units.

Assessment Type Classification:

Assessment Code:	A1	Coverage of Content:	Unit Test – 1: Covers Unit-1 and Sub Units 2.1, 2.2 Unit Test – 2: Covers Sub Units 2.3, 2.4 and Unit – 3.
Assessment Type:	Unit Test-1 and Unit Test -2	Tentative Date:	Unit Test – 1: 09/08/2019 Unit Test – 2: 16/09/2019
Kind of Question Format:	Que. 1) Long Questions (Any three out of four, each of 5 marks) Que. 2) [A] Long Question (5 marks) [B] Long Question (Any one out of two, 10 marks)		



Assessment:	Formative
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Assessment Code:	A2	Coverage of Content:	All Units
Assessment Type:	Internal Examination	Tentative Date:	11/10/2019
Kind of Question Format:	Que. 1) Long Questions (Any three out of four, each of 5 marks) Que. 2) [A] Long Question (5 marks) [B] Long Question (Any one out of two, 10 marks) Que. 3) [A] Long Question (5 marks) [B] Long Question (Any one out of two, 10 marks) Que. 4) Long Questions (Any three out of four, each of 5 marks)		
Assessment:	Summative		

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: 15/07/2019 Assignment - 2: 26/08/2019 Assignment - 3: 16/09/2019 Assignment - 4: 10/10/2019
Kind of Question Format:	1. Per method two examples have to solve. 2. Questions will be given on regular bases of completion of particular method. 3. Assignment has to be submitted on given date. 4. Zero mark will be given for submission after given deadline.		
Assessment:	Formative		



Assessment Code:	A4	Coverage of Content:	All Units
Assessment Type:	Presentation	Tentative Date:	10/10/2019
Kind of Question Format:	<ol style="list-style-type: none">1. Student has to select any one of the Statically method from any of the units and has to present its application in real world situation.2. The presentation will be evaluated on the basis of four parameters viz. (i) Level of Content, (ii) Clarity, (iii) Teaching, Methodology, (iv) Overall Impact of presentation (v) Viva3. Each parameter has weighted of 10 marks.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		
Assessment:	Summative		



**Five years Integrated M.Sc. Mathematics (Semester - 3)
Assessment Policy
060090306: GE3Basics of Statistics (Practical – 2 Credits)**

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 50 marks	Remarks
P1	Internal Case study Examination 1	90 minutes	1	15	15	After completion of case studies base survey of given project.
P2	Internal Case study Examination 2	90 minutes	1	15	15	After completion of coding and analyzing of given project with statistical term.
P3	Internal Case study Examination 3	100 minutes	1	20	20	After completion of project and submitting soft and hard copy.

Assessment Code:	P1	Coverage of Content:	After completion of case studies base survey of given project.
Assessment Type:	Practical Examination	Tentative Date:	Practical – 1: 09/08/2019
Kind of Question Format:	<ul style="list-style-type: none">• Documentation report [10 Marks]• Presentation and Viva [5 Marks]		
Assessment:	Formative		



Assessment Code:	P2	Coverage of Content:	After completion of coding and analyzing of given project with statistical term.
Assessment Type:	Practical Examination	Tentative Date:	Practical – 2: 16/09/2019
Kind of Question Format:	<ul style="list-style-type: none">• Documentation report [10 Marks]• Presentation and Viva [5 Marks]		
Assessment:	Formative		

Assessment Code:	P3	Coverage of Content:	After completion of project and submitting soft and hard copy.
Assessment Type:	Practical Examination	Tentative Date:	Practical – 3: 10/10/2019
Kind of Question Format:	<ul style="list-style-type: none">• Documentation report [15 Marks]• Presentation and Viva [5 Marks]		
Assessment:	Formative		

Assessment Type Mapping with Course Outcomes and Program Outcomes:

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

CO1: interpret measures of central tendency, dispersion and association.

CO2: do the basic principles underlying survey design and estimation.

CO3: apply discrete and continuous probability distributions to various business problems.

CO4: use methods for designing and selecting a sample from a population.



CO5: identify the appropriate nonparametric hypothesis testing procedure based on type of outcome variable and number of samples

CO6: obtain the theoretical and practical knowledge on the analysis of non-parametric tests.

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 centres.

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			
	CO1	CO2	CO3	CO4	CO5	CO6	PO1	PO2	PO3	PO4
A1	✓	✓			✓	✓	✓	✓		
A2		✓	✓		✓	✓	✓	✓	✓	✓
A3	✓	✓	✓	✓	✓	✓	✓			✓
A4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P1	✓	✓			✓	✓	✓	✓		
P2		✓	✓		✓	✓	✓	✓	✓	✓
P3	✓	✓	✓	✓	✓	✓	✓			✓