Five years Integrated M.Sc. Mathematics (Semester - 2)
Assessment Policy
060090206: CC4 Linear Algebra

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	7x2=14	Unit Test 1 : Unit 1.1,1.2,1.3,1.4 and Unit 3.1,3.2 Unit Test 2 : Unit 1.5,1.6,2.1,2.2,2.3 and Unit 4
A2	Internal Exam	180 Minutes	1	60	14x1=14	Cover Unit : All Units
A3	Assignment	15 Days	2	5	2.5x2=5	Cover Unit : All Units
A4	Presentation and Viva	20 Minutes	1	7	7x1=7	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 :**	28/02/2019 and 01/04/2019
Kind of Question Format:	Que: 1 (A) Answer the Following. (2 Marks) (B) Answer the Following [Any one] (3Marks) (C) Answer the Following [Any Two] (10Marks) Que: 2 (A) Answer the Following. (2 Marks) (B) Answer the Following [Any one] (3Marks) (C) Answer the Following [Any Two] (10Marks)		
Assessment :	Formative		

Assessment Code :	A2	**Coverage of Content :**	All Units
Assessment Type :	Internal Exam	**Tentative Date :**	18/04/2019
Kind of Question Format:	Same as University Format		
Assessment :	Formative		

Assessment Code :	A3	**Coverage of Content :**	All Units
Assessment Type :	Assignment	**Tentative Date :**	28/02/2019 and 01/04/2019
Rules:	1. 40 questions from all units 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 :	Presentation and Viva	**Tentative Date :**	09/04/2019
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: determine a subspace, span, bases, row space, column space and null space for vector space in n^{th} dimension.

CO2: identify linear transformations of finite dimensional vector spaces and compose their matrices in specific bases.

CO3: diagonalize a matrix with distinct Eigen values using the modal matrix.

CO4: combine methods of matrix algebra to compose the change-of-basis matrix with respect to two bases of a vector space.

CO5: solve problems in statistics, economics, computer science, chemistry, and biochemistry as well as in art, communication and neuroscience by using the concept of orthogonality in inner product space.

CO6: understand the axiomatic structure of modern algebra and learn to construct simple proofs.

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