

First Terminal Examination

Unit	Topics	Periods	Teaching Methods	Teaching Materials	Evaluation techniques & tools	Remarks
	Algebra ➤ Relation and Function ➤ Ordered Pair ➤ Cartesian Product ➤ Polynomials	12	Question/Answer Demonstration Practicals	Graph paper, Wooden Flake	Home Assignments Oral/ Written Exams	
	Matrix ➤ Types of Matrix ➤ Matrix Operation (Addition, Subtraction, Multiplication) ➤ Properties of Matrix	12	Conceptual Introduction Question Solving Application/ Method Study	Row and Column Charts	Home Assignments Oral/ Written Exams	
	Trigonometry ➤ Measurement of Angles ➤ Sexagesimal, Centesimal and Radian Measure ➤ Relation between Central Angle and Arc	10	Formula Derivation Demonstration Problem Solving	Any triangular structure, Graph paper, Wooden Flake	Home Assignments Oral/ Written Exams	
	Statistics ➤ Partition Values (Quartiles, Deciles and Percentiles)	8	Data Collection, Analysis Problem Solving, Practicals	Primary/Secondary Data, Reports, Bureau Publications	Assignments /Tests	
		42				

Specification Grid

First Terminal Examination

Units	Topics	1 mark	2 marks	4 marks	5 marks	Marks Weightage
Algebra	Relation and Functions	2	2	2	1	32
	Polynomials	1	2	2		
Matrix	Types of Matrix Matrix Operation (Addition, Subtraction, Multiplication) Properties of Matrix	2	3	2	1	21
Trigonometry	Measurement of Angles Sexagesimal, Centesimal and Radian Measure Relation between Central Angle and Arc	3	4	3	1	28
Statistics	Partition Values (Quartiles, Deciles and Percentiles)	2	2	2	1	19
Total Questions		10	13	11	4	100 marks

Mid Terminal Examination

Unit	Topics	Per	Teaching Methods	Teaching Materials	Evaluation techniques & tools	Remarks
	Trigonometry ➤ Trigonometric Ratios ➤ Trigonometric Identities	15	Demonstration Problem Solving	Any triangular structure, Graph paper, Wooden Flake	Assignments/ Tests Oral/ Written Exams	
	Co-ordinate Geometry ➤ Locus ➤ Distance Formula and its Applications ➤ Section Formula and its Applications ➤ Equation of Straight Lines ➤ Slope Intercept Form	18	Problem Solving, Practicals Question/Answer	Graph Paper, Wooden Flake Geo Board	Home Assignments Oral/ Written Exams	
	Transformation ➤ Introduction ➤ Reflection ➤ Rotation	9	Practicals, Demonstrations	Graph Paper Wooden Flake Geometric Instruments	Home Assignments Oral/ Written Exams	
	Statistics ➤ Dispersion (Quartile Deviation, Mean Deviation and Standard Deviation)	10	Data Collection, Analysis Problem Solving, Practicals	Primary/Secondary Data, Reports, Bureau Publications	Assignments / Tests	
		52				

Mid Terminal Examination

Units	Topics	1 mark	2 marks	4 marks	5 marks	Marks Weightage
Algebra	Relation and Functions	1	2	2		13
	Polynomials					
Matrix	Types of Matrix Matrix Operation (Addition, Subtraction, Multiplication) Properties of Matrix	1	1	2		11
Trigonometry	Measurement of angles Sexagesimal, Centesimal and Radian measure	1	1	1	1	26
	Trigonometric Ratios Trigonometric Identities	2	2	2		
Co-ordinate Geometry	Locus Distance Formula and its Applications Section Formula and its Applications Equation of Straight Lines Slope Intercept Form	3	3	2	1	22
Transformation	Introduction Reflection Rotation	1	2	1	1	14
Statistics	Partition Values (Quartiles, Deciles and Percentiles) Dispersion (Quartile Deviation, Mean Deviation and Standard Deviation)	1	2	1	1	14
Total Questions		10	13	11	4	100 marks

Second Terminal Examination

Unit	Topics	Periods	Teaching Methods	Teaching Materials	Evaluation techniques & tools	Remarks
	Algebra ➤ Sequence and Series	10	Analysis, Problem Solving	Data Charts	Assignments/ Exams	
	Limit and Continuity ➤ Concept and Application	10	Analysis, Demonstration	Graph	Assignments/ Exams	
	Trigonometry ➤ Standard Angles ➤ Allied Angles	14	Demonstration Problem Solving	Any triangular structure, Graph paper, Wooden Flake	Assignments Analytical Solving Efficiency	
	Co-ordinate Geometry ➤ Double Intercept Form ➤ Perpendicular Form ➤ Single Point Equation	18	Problem Solving, Practical Question/Answer	Graph Paper, Wooden Flake Geo Board	Home Assignments Oral/ Written Exams	
	Transformation ➤ Translation and Enlargement	8	Practical, Demonstrations	Graph Paper, Geometric Instruments	Home Assignments Oral/ Written Exams	
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Second Terminal Examination

Units	Topics	1 mark	2 marks	4 marks	5 marks	Marks Weightage
Algebra	Relation and Functions	1	1	1		19
	Polynomials					
	Sequence and Series	1	1	1	1	
Matrix	Types of Matrix Matrix Operation (Addition, Subtraction, Multiplication) Properties of Matrix	1	1	1		7
Limit and Continuity	Concept and Application	1	1	1		7
Trigonometry	Measurement of angles Sexagesimal, Centesimal and Radian measure	1	1	1	1	25
	Trigonometric Ratios Trigonometric Identities		1	1		
	Standard Angles Allied Angles	1	1	1		
Co-ordinate Geometry	Locus Distance Formula and its Applications Section Formula and its Applications Equation of Straight Lines Slope Intercept Form	1	1	1	1	21
	Double Intercept Form Perpendicular Form Single Point Equation	1	2	1		
Transformation	Introduction Reflection Rotation	1	1	1	1	12
	Translation Enlargement					
Statistics	Partition Values (Quartiles, Deciles and Percentiles) Dispersion (Quartile Deviation, Mean Deviation and Standard Deviation)	1	2	1		9
Total Questions		10	13	11	4	100 marks

Annual Examination

Unit	Topics	Per iods	Teaching Methods	Teaching Materials	Evaluation techniques & tools	Rem arks
	Co-ordinate Geometry ➤Two Points Equation ➤Distance between a Point and Straight Line (Perpendicular Distance) ➤Area of Triangle and Quadrilateral	18	Problem Solving, Practicals Question/Answer	Graph Paper, Wooden Flake Geo Board	Home Assignments Oral/ Written Exams	
	Trigonometry ➤Compound Angles	10	Demonstration/ Problem Solving	Graph Paper	Assignments/ Exams	
	Vector ➤Types of Vector ➤Magnitude and Direction of Vectors, Unit Vector ➤Operation on Vectors (Addition, Subtraction and Multiplication) ➤Laws of Vector Addition	15	Demonstration, Practicals Problem Solving, Concept Building	Graph	Class Assignments Home Assignments Oral/ Written Exams Practicals	
		43	Revision 10 days			

- Annual Exam comprises complete syllabus as prescribed by CDC.

Note:

1 mark Questions include **Knowledge**

2 marks Questions include **Knowledge+Understanding**

4 marks Questions include **Skills+Application**

5 marks Questions include **Higher Ability**