

XI MATHEMATICS
PAPER PATTERN

SECTION A

Multiple Choice Questions

Time: 20 Minutes

20 Marks

SECTION B (Short-Answer Questions)

50 Marks

Note: Attempt any TEN (10) part questions in this section, selecting at least THREE (03) part questions from each question. You may choose the tenth part question from any one sub-section. All questions carry equal marks.

ALGEBRA

- Q.2 Chapter #2 (One Question)
Chapter #3 (Two Question)
Chapter #4 (Two Question)
- Q.3 Chapter #5 (One Question)
Chapter #6 (Two Question)
Chapter #7 (One Question)
Chapter #8 (One Question)

TRIGONOMETRY

- Q.4 Chapter # 09, Ex: 9.1 (5marks)
Chapter # 11 (5marks)
Chapter # 12 (5marks)
Chapter # 13, Ex: 13.1 (5marks)
Chapter # 13, Ex: 13.2 (5marks)

SECTION C (Detailed-Answer Questions)

30 Marks

Note: Attempt any TWO questions from this section including Q.5 is compulsory.

- Q.5 Chapter # 6 , 12 (question or derivation)
- Q.6 Chapter # 8 , 4
- Q.7 (a) Chapter # 9, Ex: 9.2 Q.3 to 11
(b) Chapter # 10
(c) Chapter # 3, Ex: 3.8

IMPORTANT QUESTIONS FROM TEXT BOOK

Chap#02

Ex:2.2 Q. 3,4,5,7,8,11(iv)

Ex:2.3 Q.3, e.g#(v) pg 30 $|z_1 \cdot z_2| = |z_1||z_2|$

Chap#03

EX:3.1 Q.2,5

EX:3.3 Q.1,2,3(iv)

EX:3.4 Q.3,4,5,11,12,15,16,17,23, e.g#01 pg 57, e.g#02 pg58, e.g#02 pg 62, EX: 3.5 Q.1(mcqs) Q.2(i,iii),3,4(ii),8

EX: 3.6 Q.1(mcqs),2,3,5(i,ii),9(each year),10,11

Ex:3.8 Q.2,3,8,9,10,12,14

Chap#04 EX:4.1 Q.1(mcqs),4(ix),6,8(i),10(i),11,12,13(i),18

Ex:4.2 Q.7,8,9,10,12,13,15,20

Ex: 4.3 Q.2(i)(mcqs), 2(ii,iii), (Adjoint of a Matrix)

Ex:4.4 Q.1(vii, viii), 5(iii,v,vii) using Cramer's rule or matrix method

Chap#05 EX:5.1 Q.3,4,5,9,10,12 Ex:5.2 Q.2

Chap#06 EX:6.1 Q.5,6,7,9,10,11,13

Ex:6.2 Q.4,5,6,8(i), 9,10,11,13 Ex:6.3 Q.3,4,8,10,14,15

Ex:6.4 Q.2,3,4(i),5,7,9

Ex:6.5 Q.3,5,7,9

Ex:6.6 Q.3(v,vi), 5,6,10

Ex:6.7 Q.2(i),3,5

Ex:6.8 Q.1,2,3,4,5(ii),6,7,8,9

Ex:6.9 Q.4,6

Chap#07

Ex:7.1 Q.5,6,12,13

Ex:7.2 Q.5,7,8,9,11,12, 14(mcqs)e.g#03 pg 224

Ex:7.3 Q.7,10,12,18

Ex:7.4 Q.2,3,7,9,10

Ex:7.5 Q.5,8,9 e.g#02 pg 254, e.g#03 pg 255

Chap#08

EX:8.1 Q.4,5(ii),6,8,9,10,16(ii,iv,v)

Ex:8.2 Q.2,3 Ex:8.3 Q.5(iii),6(iii),7,8(ii) e.g#04 pg 278 Ex:8.4 Q.7,8,13,14

Ex:8.5 Q.1,3,5,8,11,13,14

Chap#09

EX: 9.1 Q.1(mcqs), 2(mcqs), [8,9,10] each year

Ex:9.2 Q.3 to 11 (each year)

Chap#10 EX: 10.1 Q.4,5,6,7,9,11,16,18,21

Ex:10.2 Q.14,16,20,21 e.g#01 pg 313 (mcqs)

Ex:10.3 Q.4 to 11,14,16,17,18,19

Chap#11 EX: 11.1 Q.1,2(iv) Ex:11.2 Q.1,2,3,4,5,6

Chap#12 EX: 12.1 Q.5,6,7

Ex:12.2 Q.1,2,5,6,8

Ex:12.3 Q.7,8

Ex:12.4 Q.1,7(mcqs),12,13,14(mcqs)

Ex:12.5 Q.9,10,11,12,13

Chap#13 EX: 13.1 Q.6,7,8,10,11,13

Ex:13.2 Q.1,2,3,4,7,11,14,15,16