

IMPORTANT QUESTIONS

XI MATHEMATICS

FROM THE DESK OF: FAIZAN AHMED

Chap#02

Ex:2.2 Q. 3,4(i),5(i),8(vi)

Chap#03

EX:3.3 Q.1 EX:3.4 Q.3,4, 15,17

EX: 3.5 Q.2(i,iii),3(i),8

EX: 3.6 Q. 3, 9 $(\alpha^2$ and $\beta^2)$, $(-\frac{1}{\alpha^3}$ and $-\frac{1}{\beta^3})$, $(\alpha + \frac{1}{\alpha}$ and $\beta + \frac{1}{\beta})$

Q.9 If α, β are the roots of the equation $x^2 - 3x + 2 = 0$, form the equation whose roots are $(\alpha + \beta)^2$ and $(\alpha - \beta)^2$.

Ex:3.8 Q.3,8,10,11

Chap#04

EX:4.1 Q. 6, 11,12,13(i),15,18

Ex:4.2 Q. 12,15

Ex: 4.3 (Adjoint of a Matrix),2(iii)

Ex:4.4 Q.5(vii) by matrix method and Cramer's rules

Chap#05

EX:5.1 Q.4,5, 9,10

Chap#06

EX:6.1 Q.5,7, 11 Ex:6.2 Q.4,5,6,11 Ex:6.3 Q. 3,8,10 EX:6.4 Q.2,4(i) Ex:6.5 E.g.02

Pg 183 Ex:6.6 Q. 3(v,vi),4,5 Ex:6.7 Q.2(i), e.g#03 pg 197 Ex:6.8 Q.1,3,4,5(ii),6,7 Ex:6.9 Q. 2, 4

Chap#07

Ex:7.2 Q. 2(ii),4,9, 12, E.g03 Pg 224 Ex:7.3 Q.18 Ex:7.5 Q.9

Chap#08

EX:8.1 Q.4,5(i),8,16(ii,iv,v) Ex:8.3 Q. 2(b)(i),7,8(ii) , E.g04 Pg 278 Ex:8.4 Q.7, e.g#06 pg267 Ex:8.5 Q. 1,3, 11, 14

Chap#09 EX: 9.1 Q. 8,9,10 (each year) Ex:9.2 Q.4,6,8,9,10,11 (each year)

Chap#10 EX: 10.1 Q.4,7,8,9, 11,21(ii) Ex:10.2 Q.14(i),16(i),17,21 Ex:10.3

Q.4,7,9,10,11,16,17,19

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

Chap#12 Ex:12.1 Q.7 Ex:12.2 Q.1, 8 Ex:12.4 Q.1 Ex:12.5 Q. 9,10,11

Derivations: cosine law, tangent law, $R = \frac{abc}{4\Delta}$, $\Delta = \frac{1}{2}absiny$

Chap#13 EX: 13.1 e.g.04 pg 362, Q.11,13 Ex:13.2 Q.1,3,11,15, 16