1 Mark Questions

Q1) Find the value of determinants

i) | 5 3 |

| 7 9 |

ii)| -8 -3 |

| 2 4 |

iii)| 5 3 |

| -7 0 |

iv)| 5 -2 |

| -3 1 |

Q2)

i) If Dx = 49, Dy = -63, D = 7 $\rightarrow$ Find x and y

ii) If Dx = -18, Dy = 12, D = -6 $\rightarrow$ Find x and y

Q3)

i) If 15x + 17y = 21 and 17x + 15y = 11 $\rightarrow$ Find x and y

ii) If 49x - 57y = 172 and 57x - 49y = 252 $\rightarrow$ Find x and y

Q4) Find the values of a, b, c

1) $x^2 - 7x + 5 = 0$

2) $2m^2 = 5m - 5$

3) $y^2 = 7y$

4) $x^2 = 8$

Q5)

i) If $b^2 - 4ac = 8$ $\rightarrow$ Decide nature of roots of Q.E.

ii) If $b^2 - 4ac = -8$ $\rightarrow$ Decide nature of roots of Q.E.

Q6) If sum of roots is -7 and product is 5 $\rightarrow$ Find Q.E.

Q7) Write formula of Sn and Tn

Q8) Find first term and common difference of A.P. 5, 1, -3, -7, ...

Q9) Decide whether given sequence is A.P. or not: -10, -6, -2, 2, ...

Q10) If A = 6, d = 3 $\rightarrow$ Write A.P.