Part - A

1) Which of the following satisfies \(x^3 + 3x - y^2 = 20\)?
   i) \(x = -3, y = 4\)   ii) \(x = -4, y = -3\)   iii) \(x = 3, y = 4\)   iv) \(x = 3, y = -4\)

2) Which of the following satisfies \(\frac{p - q}{r} = 7\)?
   i) \(p = 2, q = 0, r = -3\)   ii) \(p = 0, q = -6, r = 3\)   iii) \(p = 2, q = -6, r = -2\)   iv) \(p = -8, q = 6, r = 2\)

3) Which of the following satisfies \(a^3 - b^2 + 2c = -33\)?
   i) \(a = 1, b = 6, c = -3\)   ii) \(a = -1, b = 6, c = -3\)   iii) \(a = 1, b = 0, c = -3\)   iv) \(a = 1, b = 6, c = -3\)

4) Which of the following satisfies \(3a^2 - ab + 4c^2 = 45\)?
   i) \(a = 3, b = 6, c = 5\)   ii) \(a = 3, b = 6, c = 5\)   iii) \(a = 3, b = 0, c = -3\)   iv) \(a = 3, b = 6, c = -3\)

1) Which of the following satisfies \(u^2 + 2v - w = 8\)?
   i) \(u = -4, v = -3\)   ii) \(u = 3, v = 4\)   iii) \(u = 3, v = 4\)   iv) \(u = -3, v = 4\)

2) Which of the following equation is true at \(x = 4\) and \(y = -1\)?
   i) \(x^2 - 2y = -18\)   ii) \(x^2 - 2xy = 22\)   iii) \(3x + 2y = 10\)   iv) \(\frac{x - 2y}{3} = -2\)

3) Which of the following equation is true at \(a = 3, b = -2\) and \(c = 5\)?
   i) \(\frac{a + c}{b} = -4\)   ii) \(-2a - 4b + c = 19\)   iii) \(a^3 - b^2 + 2c = -33\)   iv) \(a^2 + 3b + c = -8\)
1) Which of the following satisfies $x^3 + 3x - y^2 = 20$?
   i) $x = -3, y = 4$  
   ii) $x = -4, y = -3$  
   iii) $x = 3, y = 4$  
   iv) $x = 3, y = -4$

2) Which of the following satisfies $\frac{p-q}{r} = 7$?
   i) $p = 2, q = 0, r = -7$  
   ii) $p = -2, q = 6, r = 4$  
   iii) $p = -8, q = 6, r = 8$  
   iv) $p = -8, q = 6, r = 2$

3) Which of the following satisfies $(2m - 3)(n + 5) = -35$?
   i) $m = 4, n = -12$  
   ii) $m = 12, n = -4$  
   iii) $m = 7, n = -12$  
   iv) $m = -4, n = 12$

4) Which of the following satisfies $3a^2 - ab + 4c^2 = 45$?
   i) $a = 3, b = 6, c = -1$  
   ii) $a = -1, b = 6, c = -3$  
   iii) $a = 1, b = 6, c = -3$  
   iv) $a = 1, b = 0, c = -3$