

## Multiple Choice

### 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)  $p = 2, q = 0, r = -2$       ii)  $p = 2, q = 6, r = 2$       iii)  $p = 2, q = 6, r = -2$       iv)  $p = -8, q = 6, r = 2$

3) Which of the following satisfies  $m + n = -5$ ?

- i)  $m = -4, n = 12$       ii)  $m = 7, n = -12$       iii)  $m = -7, n = 12$       iv)  $m = 7, n = -12$

4) Which of the following satisfies  $a + b + c = -3$ ?

- i)  $a = 1, b = 0, c = -3$       ii)  $a = 1, b = 6, c = -3$       iii)  $a = 1, b = 6, c = 3$       iv)  $a = 1, b = 6, c = -3$

1) Which of the following satisfies  $u^2 + 2v - w = 8$ ?

- i)  $u^2 + 2v - w = 8$       ii)  $u^2 + 2v - w = 12$       iii)  $u^2 + 2v - w = 10$       iv)  $u^3 + 7uv - 3w = 54$

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)  $a^2 + 3b + c = -8$

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## Multiple Choice

Part - A1) Which of the following satisfies  $x^3 + 3x - y^2 = 20$ ?

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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)  $p = 2, q = 0, r = -2$

ii)  $p = 0, q = 6, r = 2$

iii)  $p = 6, q = 0, r = 2$

iv)  $p = -8, q = 6, r = 2$

3) Which of the following satisfies  $m + n = -12$ ?

i)  $m = -4, n = 12$

ii)  $m = 4, n = 12$

iii)  $m = 4, n = -12$

iv)  $m = 7, n = -12$

4) Which of the following satisfies  $a + b + c = -3$ ?

i)  $a = 1, b = 0, c = -3$

ii)  $a = 1, b = 6, c = -3$

iii)  $a = 1, b = -6, c = -3$

iv)  $a = 1, b = 6, c = -3$

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