

**Multiple Choice****Part - A**

- 1) Which of the following satisfies  $\frac{2p+q}{r} = \frac{1}{7}$ ?
- i)  $p = -5, q = 7, r = 1$     ii)  $p = -1, q = 7, r = 5$     iii)  $p = -3, q = 7, r = 7$     iv)  $p = 5, q = -7, r = 1$
- 2) Which of the following satisfies  $m^2 - 3mn + 1 = -43$ ?
- i)  $m = 5, n = -4$     ii)  $m = 4, n = 5$     iii)  $m = 4, n = 1$     iv)  $m = -5, n = -4$
- 3) Which of the following satisfies  $x^2 + y^2 + z^2 = 14$ ?
- i)  $x = -3, y = 2, z = 1$     ii)  $x = 3, y = 2, z = 1$     iii)  $x = 3, y = 1, z = 2$     iv)  $x = 3, y = 1, z = 2$
- 4) Which of the following satisfies  $u^2 + v^2 = 25$ ?
- i)  $u = -1, v = 4$     ii)  $u = 1, v = 4$     iii)  $u = 4, v = 1$     iv)  $u = 0, v = 5$
- 1) Which of the following satisfies  $a^3 + b = 7$ ?
- i)  $a = 2, b = 1$     ii)  $a = 1, b = 2$     iii)  $a = 1, b = 1$     iv)  $a^2 + 2b = 8$
- 2) Which of the following equation is true at  $s = -4, t = 5$  and  $u = 3$ ?
- i)  $\frac{5s+t}{u} = -5$     ii)  $s^2 - 4t + u = 1$     iii)  $s + t - u = -4$     iv)  $s^3 - 7u + 3t = 39$
- 3) Which of the following equation is true at  $x = 3$  and  $y = -9$ ?
- i)  $x^2 - y = -18$     ii)  $x - y = -12$     iii)  $\frac{2x+y}{4} = 2$     iv)  $2x^3 + y = 45$

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**Multiple Choice****Part - A**

1) Which of the following satisfies  $\frac{2p+q}{r} = \frac{1}{7}$ ?

- i)  $p = -5, q = 7, r = 1$    ii)  $p = -1, q = 7, r = 5$    ~~iii)  $p = -3, q = 7, r = 7$~~    iv)  $p = 5, q = -7, r = 1$

2) Which of the following satisfies  $m^2 - 3mn + 1 = -43$ ?

- i)  $m = 5, n = -4$    ~~ii)  $m = 4, n = 5$~~    ~~iii)  $m = 4, n = 1$~~    iv)  $m = -5, n = -4$

3) Which of the following satisfies  $x^2 + y^2 + z^2 = 14$ ?

- i)  $x = -3, y = 2, z = 1$    ~~ii)  $x = 3, y = 2, z = 1$~~    ~~iii)  $x = 3, y = 1, z = 2$~~    iv)  $x = 3, y = 1, z = 2$

4) Which of the following satisfies  $u^2 + v^2 = 5$ ?

- i)  $u = -1, v = 4$    ~~ii)  $u = 1, v = 4$~~    ~~iii)  $u = 0, v = 5$~~    iv)  $u = 0, v = 5$

1) Which of the following satisfies  $a^3 + b^3 = 7$ ?

- i)  $a^3 + b = 7$    ~~ii)  $a^3 + b^3 = 7$~~    ~~iii)  $a^3 + b^3 = 7$~~    iv)  $a^2 + 2b = 8$

2) Which of the following equation is true at  $s = -4, t = 5$  and  $u = 3$ ?

- ~~i)  $\frac{5s+t}{u} = -5$~~    ii)  $s^2 - 4t + u = 1$    iii)  $s + t - u = -4$    iv)  $s^3 - 7u + 3t = 39$

3) Which of the following equation is true at  $x = 3$  and  $y = -9$ ?

- i)  $x^2 - y = -18$    ii)  $x - y = -12$    iii)  $\frac{2x+y}{4} = 2$    ~~iv)  $2x^3 + y = 45$~~

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