

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 $u^2 + v^2 = 17$?
- 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 $a^3 + b = 7$?
- i) $a^3 + b = 7$ ii) $a^3 + b = 8$ iii) $a^3 + b = 9$ iv) $a^3 + 2b = 8$
- 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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