

Multiple Choice**Part - A**

- 1) Which of the following satisfies $\frac{3u - 4v + w}{2} < 5$?
- i) $u = 7, v = 1, w = 3$ ii) $u = 1, v = -3, w = 7$ iii) $u = -1, v = 7, w = 3$ iv) $u = 7, v = 1, w = -3$
- 2) Which of the following satisfies $(p + q)(p - q) \geq -2$?
- i) $p = 8, q = 5$ ii) $p = 4, q = 0$ iii) $p = 5, q = 7$ iv) $p = 3, q = 9$
- 3) Which of the following satisfies $m + n > 1$?
- i) $m = -3, n = 2$ ii) $m = 2, n = 3$ iii) $m = 1, n = 1$ iv) $m = -3, n = -2$
- 4) Which of the following satisfies $a + b < 1$?
- i) $a = -2, b = 1$ ii) $a = 1, b = 2$ iii) $a = 2, b = 3$ iv) $a = -2, b = 3$
- 1) Which of the following inequality is true at $x = 1, y = -4$ and $z = 3$?
- i) $x^2y(x - z) \geq 9$ ii) $xy^2(x - z) > 7$ iii) $xy^2(x + z) < 7$ iv) $x^2y(x + z) \leq 9$
- 2) Which of the following inequality is true at $x = 1, y = -4$ and $z = 3$?
- i) $x^2y(x - z) \geq 9$ ii) $xy^2(x - z) > 7$ iii) $xy^2(x + z) < 7$ iv) $x^2y(x + z) \leq 9$
- 3) Which of the following inequality is true at $c = 4$ and $d = 8$?
- i) $\frac{4cd + c}{d} \leq 12$ ii) $\frac{3cd - d}{c} > 12$ iii) $\frac{3cd + d}{c} < 12$ iv) $\frac{4cd - c}{d} \geq 17$

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1) Which of the following satisfies $\frac{3u - 4v + w}{2} < 5$?

- i) $u = 7, v = 1, w = 3$ ii) $u = 1, v = -3, w = 7$ ~~iii) $u = -1, v = 7, w = 3$~~ iv) $u = 7, v = 1, w = -3$

2) Which of the following satisfies $(p + q)(p - q) \geq -2$?

~~i) $p = 8, q = 5$~~

iv) $p = 3, q = 9$

3) Which of the following

i) $m = -3, n = 2$

~~iv) $m = -3, n = -2$~~

4) Which of the following

i) $a = -2, b = 1$

iv) $a = -2, b = 3$

1) Which of the following

~~i) $r^2 - rs + 8 > -5$~~

iv) $s^2 - rs - 8 < -5$

2) Which of the following inequality is true at $x = 1, y = -4$ and $z = 3$?

i) $x^2y(x - z) \geq 9$

ii) $xy^2(x - z) > 7$

iii) $xy^2(x + z) < 7$

~~iv) $x^2y(x + z) \leq 9$~~

3) Which of the following inequality is true at $c = 4$ and $d = 8$?

i) $\frac{4cd + c}{d} \leq 12$

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iii) $\frac{3cd + d}{c} < 12$

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