Name : _____

Multiple Choice

Multi Variables: S4

Part - A

1) Which of the following satisfies $(2p - 1)(q + 3r) \geq 7$?

i) $p = 4, q = 1, r = -2$ ii) $p = 3, q = -2, r = 1$ iii) $p = 1, q = -1, r = 2$ iv) $p = 4, q = -2, r = 1$

2) Which of the following satisfies $u^3 + v^2 + 2u^2v + 8 \leq 18$?

i) $u = 3, v = 2$ iv) $u = 3, v = 3$

3) Which of the follov

i) $a = -2, b = 2, c =$ iv) $a = -20, b = 5, c = 1$

4) Which of the follov

i) $x = 2, y = -3$ iv) $x = 1, y = -2$

1) Which of the follov 2?

i) $a + b^2 - 3c < 6$ iv) $c^2 + b^3 + a \leq 6$

2) Which of the following inequality is true at $m = 3$ and $n = 4$?

i) $\frac{n^2 - 3m}{3} \geq 10$ ii) $\frac{n + 3m}{3} \leq 10$ iii) $\frac{-n + 13}{3} > 10$ iv) $\frac{m^2 - 3n}{3} \geq 10$

3) Which of the following inequality is true at $p = 1$, $q = -2$ and $r = 5$?

i) $rq(q - p) \leq -15$ ii) $pq(p + 3r) > -15$ iii) $pq(2q + r^2) \geq -15$ iv) $(p - q)(q + r) < 15$

Name : _____

Answer key

Multiple Choice

Multi Variables: S4

Part - A

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