

## Multiple Choice

### Part - A

1) Which of the following satisfies  $y^2 - 4 < 5$ ?

i)  $y = 3$

ii)  $y = -4$

iii)  $y = 5$

iv)  $y = -1$

2) Which of the following satisfies  $\frac{15}{x} \geq 2$ ?

i)  $x = 5$

ii)  $x = 0$

iii)  $x = 15$

iv)  $x = -5$

3) Which of the following satisfies  $p^2 - 9 < 0$ ?

i)  $p = -3$

ii)  $p = 0$

iii)  $p = 3$

iv)  $p = 3$

4) Which of the following satisfies  $m^2 - 16 < 0$ ?

i)  $m = 4$

ii)  $m = 0$

iii)  $m = 4$

iv)  $m = 3$

1) Which of the following satisfies  $3a - 12 < 0$ ?

i)  $\frac{6a}{3} \geq 4$

ii)  $3a - 12 < 0$

iii)  $3a - 12 < 0$

iv)  $\frac{3a}{4} < 7$

2) Which of the following inequality is true at  $h = 3$ ?

i)  $h^3 + 9 \leq 11$

ii)  $h^3 - 7 > 30$

iii)  $h^3 - 9 \geq 12$

iv)  $h^3 + 7 < 10$

3) Which of the following inequality is true at  $w = 5$ ?

i)  $w^2 - 4w - 2 \geq 1$

ii)  $w^2 + 2w + 1 < 4$

iii)  $w^2 - 4w - 1 \leq 2$

iv)  $w^2 - 4w - 2 > 4$

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