

## Multiple Choice

### Part - A

1) Which of the following satisfies  $(u + 4)(u - 4) > -8$ ?

i)  $u = -1$

ii)  $u = -2$

iii)  $u = 5$

iv)  $u = 0$

2) Which of the following satisfies  $\frac{6c}{5} \geq 3$ ?

i)  $c = -3$

ii)  $c = 2$

iii)  $c = 3$

iv)  $c = 4$

3) Which of the following satisfies  $m > 3$ ?

i)  $m = 1$

ii)  $m = 2$

iii)  $m = 3$

iv)  $m = 3$

4) Which of the following satisfies  $d < 4$ ?

i)  $d = 4$

ii)  $d = 3$

iii)  $d = 4$

iv)  $d = -4$

1) Which of the following satisfies  $(k + 1)(k - 1) < 0$ ?

i)  $(k + 1)(k - 1) < 0$

ii)  $(k + 1)(k - 1) > 0$

iii)  $(k + 1)(k - 1) = 0$

2 iv)  $(k + 1)(k - 8) \leq 2$

2) Which of the following inequality is true at  $z = 4$ ?

i)  $5z - 3 \geq 7$

ii)  $3z - 5 < 7$

iii)  $5z - 7 \leq 3$

iv)  $3z - 7 \geq 7$

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

i)  $b^2 + 15 \leq 4$

ii)  $b^2 - 15 > 4$

iii)  $b^2 + 4 \geq 15$

iv)  $b^2 + 4 < 15$

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## Answer key

Single Variable: S3

### Multiple Choice

#### Part - A

1) Which of the following satisfies  $(u + 4)(u - 4) > -8$ ?

i)  $u = -1$

ii)  $u = -2$

iii)  $u = 5$

iv)  $u = 0$

2) Which of the following satisfies  $\frac{6c}{5} \geq 3$ ?

i)  $c = -3$

ii)  $c = 2$

iii)  $c = 3$

iv)  $c = 4$

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

i)  $m = 1$

ii)  $m = 2$

iii)  $m = 3$

iv)  $m = 3$

4) Which of the following satisfies  $d^2 + 8d + 16 > 0$ ?

i)  $d = 4$

ii)  $d = 5$

iii)  $d = 6$

iv)  $d = -4$

1) Which of the following satisfies  $(k + 1)(k - 1) < 0$ ?

i)  $(k + 1)(k - 1) < 0$

ii)  $(k + 1)(k - 2) < 0$

iii)  $(k + 1)(k - 3) < 0$

2 iv)  $(k + 1)(k - 8) \leq 2$

2) Which of the following inequality is true at  $z = 4$ ?

i)  $5z - 3 \geq 7$

ii)  $3z - 5 < 7$

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

i)  $b^2 + 15 \leq 4$

ii)  $b^2 - 15 > 4$

iii)  $b^2 + 4 \geq 15$

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