



# SBI CLERK 2023



## आधार Batch

DAY-4

# QUADRATIC EQUATION

सीखो सबकुछ ZERO से

## MATHS

LIVE

01:00 PM





## AN OVERVIEW OF QUADRATIC EQUATION

$$ax^2 + bx + c = 0$$

**Sign in equatyion**

(+, +)

(+, -)

(-, -)

(-, +)

**sign in solution**

(-, -)

(-, +)

(+, -)

(+, +)



Question 1-  $p^2 + 5p - 84 = 0$

$$q^2 + 27q + 180 = 0$$

A.  $p > q$

B.  $p \geq q$

C.  $p < q$

D.  $p \leq q$

E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 2-  $p^2 - 8p + 15 = 0$

$$q^2 - 12q + 36 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 3-  $p^2 + 14p + 45 = 0$   
 $2q^2 + 5q - 25 = 0$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 4-  $p^2 + 5p - 50 = 0$

$$2q^2 - 11q + 15 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 5 -  $12x^2 - 4x - 5 = 0$

$$8y^2 - 4y - 4 = 0$$

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- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 6-  $p^3 - 4913 = 0$

$$q^2 - 361 = 0$$

A.  $p > q$

B.  $p \geq q$

C.  $p < q$

D.  $p \leq q$

E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 7-  $x^2 = 361$

$$y^3 = 7269 + 731$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 8-  $3x^2 - 8x - 16 = 0$

$$3y^2 - 19y + 28 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 9-  $p^3 - 2744 = 0$

$$q^2 - 256 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 10-  $3x^2 + 19x + 30 = 0$

$$3y^2 - 20y - 32 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 11-  $2p^2 + 9p + 7 = 0$

$$q^2 + 4q + 4 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 12-  $p^2 - 7p + 12 = 0$

$$3q^2 - 11q + 10 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 13-  $2p^2 + 15p + 28 = 0$

$$2q^2 + 13q + 21 = 0$$

A.  $p > q$

B.  $p \geq q$

C.  $p < q$

D.  $p \leq q$

E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 14-  $p^2 + 9p + 20 = 0$

$$q^2 = 16$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 15-  $2x^2 - 8x - 24 = 0$

$$9y^2 - 12y + 4 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 16-  $56p^2 + 15p - 56 = 0$

$$7q^2 - 34q - 48 = 0$$

A.  $p > q$

B.  $p \geq q$

C.  $p < q$

D.  $p \leq q$

E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 16-  $p^5 - 41p^5 + 400 = 0$

$$q^2 - 14q + 30 = -18$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 17-  $p^2 - 3 = 2p$

$$q^2 + 5q + 6 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 18-  $4p^3 + 24p^2 - 64p = 0$

$$3q^2 + 39q + 126 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined

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Question 19-  $p^2 - 25p + 114 = 0$

- $24 = 0$
- A.  $p > q$   $q^2 - 10q + 24 = 0$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between x and y can't be determined

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Question 20-  $48p^2 - 24p + 3 = 0$

$$55q^2 + 5qy + 12 = 0$$

A.  $p > q$

B.  $p \geq q$

C.  $p < q$

D.  $p \leq q$

E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined





Question 21-  $p^2 - 3\sqrt{3}p - 54 = 0$

$$q^2 - 7\sqrt{2}q - 36 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined



Question 22-  $p^2 + 5\sqrt{2} p - 72 = 0$

$$q^2 - 2\sqrt{2} q - 30 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined



Question 22-  $p^2 - 11p + 24 = 0$

$$2q^2 - 9q + 9 = 0$$

- A.  $p > q$
- B.  $p \geq q$
- C.  $p < q$
- D.  $p \leq q$
- E.  $p = q$  or the relation between  $x$  and  $y$  can't be determined



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