

Grand Bundle PDF Course 2021

Exams Covered:

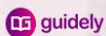
**SBI Clerk | SBI PO | IBPS RRB PO |
IBPS RRB Clerk | IBPS PO | IBPS Clerk**

Separate PDF Course for All Major Bank pre + Mains Exams

- Total No. of Ques: **40,000+**
- Question in Bilingual (**Eng & Hindi**)
- Answers With Detailed **Video Solution**
- Provides you **50 days Study Planner** for each exams
- **Covers All Types** of Questions in Each Topic
- Questions in **Exact Exam Level**
- All Our PDFs are **Downloadable**
- **100% Satisfaction** Assured & It's Worthy for your money
- Download as PDF & also take **Quiz with Timer**



Grab It Now



Grand Bundle PDF Course for All Bank Prelims Exams 2021

Separate PDF Courses for All Major Bank Exams

- Total Number of Questions: **25000**
- Language: English & Hindi
- Exact Exam Level Questions
- Answer Key with Video Solution

Exams Covered: PDF
• SBI Clerk • IBPS PO
• SBI PO • IBPS Clerk
• IBPS RRB PO
• IBPS RRB Clerk
Validity: **1 Year**

Grab It Now



Grand Bundle PDF Course for All Bank Mains Exams 2021

Separate PDF Courses for All Major Bank Exams

- Total Number of Questions: **15000**
- Language: English & Hindi
- Exact Exam Level Questions
- Answer Key with Video Solution

Exams Covered: PDF
• SBI Clerk • IBPS PO
• SBI PO • IBPS Clerk
• IBPS RRB PO
• IBPS RRB Clerk
Validity: **1 Year**

Grab it Now



Grand Bundle PDF Course Combo Prelims + Mains 2021

Separate PDF Courses for All Major Bank Exams

- Total Number of Questions: **40000+**
- Language: **English & Hindi**
- **Exact Exam Level** Questions
- Answer Key with **Video Solution**

Exams Covered: PDF
• SBI Clerk • IBPS PO
• SBI PO • IBPS Clerk
• IBPS RRB PO
• IBPS RRB Clerk
Validity: **1 Year**

Grab it Now

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

Directions (1-5): Following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give an answer as,

1)

I) $x^2 + 3x + 2 = 0$

II) $y^2 - y - 2 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.
- D. $x < y$
- E. $x \leq y$

2)

I) $x^2 + 20x + 99 = 0$

II) $y^2 + 17y + 72 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.
- D. $x < y$
- E. $x \leq y$

3)

I) $x^2 - 6x - 247 = 0$

II) $y^2 - 40y + 399 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.
- D. $x < y$
- E. $x \leq y$

4)

I) $2x^2 - 24x + 40 = 0$

II) $y^2 + 13y - 14 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.
- D. $x < y$
- E. $x \leq y$

5)

I) $x^2 + 18x + 65 = 0$

II) $y^2 + 19y + 84 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.
- D. $x < y$
- E. $x \leq y$

Directions (6-10): Following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give an answer as,

6)

I) $x^2 - 20x + 99 = 0$

II) $y^2 + 144 = 24y$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.
- D. $x < y$
- E. $x \leq y$

7)

I) $x^2 - 10x - 299 = 0$

II) $y^2 + 24y + 143 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $x = y$ or relationship can't be determined.

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

D. $x < y$

E. $x \leq y$

8)

I) $x^2 - 38x + 357 = 0$

II) $y^2 - 44y + 483 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

9)

I) $2x^2 + 20x + 48 = 0$

II) $y^2 + 15y + 56 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

10)

I) $x^2 + 8x - 9 = 0$

II) $y^2 - 23y + 22 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

Directions (11-15): Following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give an answer as,

11)

I) $x^2 + 9x + 18 = 0$

II) $y^2 + 15y + 56 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

12)

I) $x^2 - 26x + 153 = 0$

II) $y^2 - 22y + 117 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

13)

I) $x^2 - 22x + 105 = 0$

II) $y^2 - 12y + 35 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

14)

I) $2x^2 - 30x + 100 = 0$

II) $3y^2 - 24y + 45 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

E. $x \leq y$

15)

I) $x^2 - 221 = 355$

II) $y^2 + 153 = 778$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

Directions (16-20): Following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give an answer as,

16)

I) $x^2 + 12x + 20 = 0$

II) $y^2 + 13y + 22 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

17)

I) $5x^2 + 15x + 10 = 0$

II) $y^2 - y - 2 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

18)

I) $x^2 - 27x + 182 = 0$

II) $y^2 - 23y + 132 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

19)

I) $2x^2 - 18x + 36 = 0$

II) $y^2 - 12y + 32 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

20)

I) $x^2 + 23x + 120 = 0$

II) $y^2 + 13y + 42 = 0$

A. $x > y$

B. $x \geq y$

C. $x = y$ or relationship can't be determined.

D. $x < y$

E. $x \leq y$

Directions (21-25): Following question contains two equations as I and II. You have to solve both equations and determine the relationship between them and give an answer as,

21)

I) $2x^2 - 10x - 48 = 0$

II) $y^2 - 16y - 297 = 0$

A. $x > y$

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

- B. $x \geq y$
C. $x < y$
D. $x \leq y$
E. $x = y$ or the relationship cannot be established.

22)

I) $2x^2 + 9x + 10 = 0$

II) $2y^2 - 7y - 22 = 0$

- A. $x > y$
B. $x \geq y$
C. $x < y$
D. $x \leq y$
E. $x = y$ or the relationship cannot be established.

23)

I) $x^2 - 28x + 187 = 0$

II) $y^2 + 7y + 12 = 0$

- A. $x > y$
B. $x \geq y$
C. $x < y$
D. $x \leq y$

- E. $x = y$ or the relationship cannot be established.

24)

I) $2x^2 + 26x + 72 = 0$

II) $y^2 + 13y + 36 = 0$

- A. $x > y$
B. $x \geq y$
C. $x < y$
D. $x \leq y$
E. $x = y$ or the relationship cannot be established.

25)

I) $x^2 - 21x - 196 = 0$

II) $y^2 - 31y + 84 = 0$

- A. $x > y$
B. $x \geq y$
C. $x < y$
D. $x \leq y$
E. $x = y$ or the relationship cannot be established.

Answer With Explanation

1) Answer: E

$$x^2 + 3x + 2 = 0$$

$$x^2 + 2x + x + 2 = 0$$

$$x(x + 2) + 1(x + 2) = 0$$

$$(x + 1)(x + 2) = 0$$

$$x = -1, -2$$

$$y^2 - y - 2 = 0$$

$$y^2 - 2y + y - 2 = 0$$

$$y(y - 2) + 1(y - 2) = 0$$

$$(y + 1)(y - 2) = 0$$

$$y = -1, 2$$

$$x \leq y$$

2) Answer: E

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

$$x^2 + 20x + 99 = 0$$

$$x^2 + 9x + 11x + 99 = 0$$

$$x(x + 9) + 11(x + 9) = 0$$

$$(x + 9)(x + 11) = 0$$

$$x = -11, -9$$

$$y^2 + 17y + 72 = 0$$

$$y^2 + 9y + 8y + 72 = 0$$

$$y(y + 9) + 8(y + 9) = 0$$

$$(y + 8)(y + 9) = 0$$

$$y = -8, -9$$

$$x \leq y$$

3) Answer: E

$$x^2 - 6x - 247 = 0$$

$$x^2 - 19x + 13x - 247 = 0$$

$$x(x - 19) + 13(x - 19) = 0$$

$$(x + 13)(x - 19) = 0$$

$$x = 19, -13$$

$$y^2 - 40y + 399 = 0$$

$$y^2 - 21y - 19y + 399 = 0$$

$$y(y - 21) - 19(y - 21) = 0$$

$$(y - 21)(y - 19) = 0$$

$$y = 21, 19$$

$$x \leq y$$

4) Answer: A

$$2x^2 - 24x + 40 = 0$$

$$2x^2 - 20x - 4x + 40 = 0$$

$$2x(x - 10) - 4(x - 10) = 0$$

$$(2x - 4)(x - 10) = 0$$

$$x = 2, 10$$

$$y^2 + 13y - 14 = 0$$

$$y^2 + 14y - y - 14 = 0$$

$$y(y + 14) - 1(y + 14) = 0$$

$$(y - 1)(y + 14) = 0$$

$$y = 1, -14$$

$$x > y$$

5) Answer: C

$$x^2 + 18x + 65 = 0$$

$$x^2 + 13x + 5x + 65 = 0$$

$$x(x + 13) + 5(x + 13) = 0$$

$$(x + 5)(x + 13) = 0$$

$$x = -5, -13$$

$$y^2 + 19y + 84 = 0$$

$$y^2 + 12y + 7y + 84 = 0$$

$$y(y + 12) + 7(y + 12) = 0$$

$$(y + 7)(y + 12) = 0$$

$$y = -7, -12$$

Relationship between x and y cannot be established.

6) Answer: D

$$x^2 - 20x + 99 = 0$$

$$x^2 - 11x - 9x + 99 = 0$$

$$x(x - 11) - 9(x - 11) = 0$$

$$(x - 11)(x - 9) = 0$$

$$x = 11, 9$$

$$y^2 + 144 = 24y$$

$$y^2 - 12y - 12y + 144 = 0$$

$$y(y - 12) - 12(y - 12) = 0$$

$$(y - 12)(y - 12) = 0$$

$$y = 12, 12$$

From the values of x and y,

$$x < y$$

7) Answer: C

$$x^2 - 10x - 299 = 0$$

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

$$x^2 - 23x + 13x - 299 = 0$$

$$x(x - 23) + 13(x - 23) = 0$$

$$(x - 23)(x + 13) = 0$$

$$x = 23, -13$$

$$y^2 + 24y + 143 = 0$$

$$y^2 + 13y + 11y + 143 = 0$$

$$y(y + 13) + 11(y + 13) = 0$$

$$(y + 13)(y + 11) = 0$$

$$y = -13, -11$$

From the values of x and y,

Relationship can't be determined.

8) Answer: E

$$x^2 - 38x + 357 = 0$$

$$x^2 - 21x - 17x + 357 = 0$$

$$x(x - 21) - 17(x - 21) = 0$$

$$(x - 17)(x - 21) = 0$$

$$x = 17, 21$$

$$y^2 - 44y + 483 = 0$$

$$y^2 - 23y - 21y + 483 = 0$$

$$y(y - 23) - 21(y - 23) = 0$$

$$(y - 21)(y - 23) = 0$$

$$y = 21, 23$$

$$x \leq y$$

9) Answer: A

$$2x^2 + 20x + 48 = 0$$

$$2x^2 + 12x + 8x + 48 = 0$$

$$2x(x + 6) + 8(x + 6) = 0$$

$$(2x + 8)(x + 6) = 0$$

$$x = -4, -6$$

$$y^2 + 15y + 56 = 0$$

$$y^2 + 8y + 7y + 56 = 0$$

$$y(y + 8) + 7(y + 8) = 0$$

$$(y + 7)(y + 8) = 0$$

$$y = -7, -8$$

$$x > y$$

10) Answer: E

$$x^2 + 8x - 9 = 0$$

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

$$x(x + 9) - 1(x + 9) = 0$$

$$(x - 1)(x + 9) = 0$$

$$x = 1, -9$$

$$y^2 - 23y + 22 = 0$$

$$y^2 - 22y - y + 22 = 0$$

$$y(y - 22) - 1(y - 22) = 0$$

$$(y - 1)(y - 22) = 0$$

$$y = 1, 22$$

$$x \leq y$$

11) Answer: A

$$x^2 + 9x + 18 = 0$$

$$x^2 + 6x + 3x + 18 = 0$$

$$x(x + 6) + 3(x + 6) = 0$$

$$(x + 3)(x + 6) = 0$$

$$x = -3, -6$$

$$y^2 + 15y + 56 = 0$$

$$y^2 + 8y + 7y + 56 = 0$$

$$y(y + 8) + 7(y + 8) = 0$$

$$(y + 7)(y + 8) = 0$$

$$y = -7, -8$$

$$x > y$$

12) Answer: C

$$x^2 - 26x + 153 = 0$$

$$x^2 - 17x - 9x + 153 = 0$$

$$x(x - 17) - 9(x - 17) = 0$$

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

$$(x - 9)(x - 17) = 0$$

$$x = 9, 17$$

$$y^2 - 22y + 117 = 0$$

$$y^2 - 9y - 13y + 117 = 0$$

$$y(y - 9) - 13(y - 9) = 0$$

$$(y - 13)(y - 9) = 0$$

$$y = 13, 9$$

Relationship between x and y cannot be established.

13) Answer: B

$$x^2 - 22x + 105 = 0$$

$$x^2 - 15x - 7x + 105 = 0$$

$$x(x - 15) - 7(x - 15) = 0$$

$$(x - 7)(x - 15) = 0$$

$$x = 7, 15$$

$$y^2 - 12y + 35 = 0$$

$$y^2 - 7y - 5y + 35 = 0$$

$$y(y - 7) - 5(y - 7) = 0$$

$$(y - 5)(y - 7) = 0$$

$$y = 5, 7$$

$$x \geq y$$

14) Answer: B

$$2x^2 - 30x + 100 = 0$$

$$2x^2 - 20x - 10x + 100 = 0$$

$$2x(x - 10) - 10(x - 10) = 0$$

$$(2x - 10)(x - 10) = 0$$

$$x = 5, 10$$

$$3y^2 - 24y + 45 = 0$$

$$3y^2 - 15y - 9y + 45 = 0$$

$$3y(y - 15) - 9(y - 5) = 0$$

$$(3y - 9)(y - 5) = 0$$

$$y = 3, 5$$

$$x \geq y$$

15) Answer: C

$$x^2 - 221 = 355$$

$$x^2 = 576$$

$$x = -24, 24$$

$$y^2 + 153 = 778$$

$$y^2 = 625$$

$$y = -25, 25$$

Relationship between x and y cannot be established.

16) Answer: C

$$x^2 + 12x + 20 = 0$$

$$x^2 + 10x + 2x + 20 = 0$$

$$x(x + 10) + 2(x + 10) = 0$$

$$(x + 2)(x + 10) = 0$$

$$x = -2, -10$$

$$y^2 + 13y + 22 = 0$$

$$y^2 + 11y + 2y + 22 = 0$$

$$y(y + 11) + 2(y + 11) = 0$$

$$(y + 2)(y + 11) = 0$$

$$y = -2, -11$$

Relationship between x and y cannot be established.

17) Answer: E

$$5x^2 + 15x + 10 = 0$$

$$5x^2 + 10x + 5x + 10 = 0$$

$$5x(x + 2) + 5(x + 2) = 0$$

$$(5x + 5)(x + 2) = 0$$

$$x = -1, -2$$

$$y^2 - y - 2 = 0$$

$$y^2 - 2y + y - 2 = 0$$

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

$$y(y - 2) + 1(y - 2) = 0$$

$$(y + 1)(y - 2) = 0$$

$$y = -1, 2$$

Hence $x \leq y$

18) Answer: A

$$x^2 - 27x + 182 = 0$$

$$x^2 - 13x - 14x + 182 = 0$$

$$x(x - 13) - 14(x - 13) = 0$$

$$(x - 14)(x - 13) = 0$$

$$x = 14, 13$$

$$y^2 - 23y + 132 = 0$$

$$y^2 - 12y - 11y + 132 = 0$$

$$y(y - 12) - 11(y - 12) = 0$$

$$(y - 11)(y - 12) = 0$$

$$y = 11, 12$$

Hence $x > y$

19) Answer: C

$$2x^2 - 18x + 36 = 0$$

$$2x^2 - 12x - 6x + 36 = 0$$

$$2x(x - 6) - 6(x - 6) = 0$$

$$(2x - 6)(x - 6) = 0$$

$$x = 3, 6$$

$$y^2 - 12y + 32 = 0$$

$$y^2 - 8y - 4y + 32 = 0$$

$$y(y - 8) - 4(y - 8) = 0$$

$$(y - 4)(y - 8) = 0$$

$$y = 4, 8$$

Hence Relationship between x and y cannot be established.

20) Answer: D

$$x^2 + 23x + 120 = 0$$

$$x^2 + 8x + 15x + 120 = 0$$

$$x(x + 8) + 15(x + 8) = 0$$

$$(x + 15)(x + 8) = 0$$

$$x = -15, -8$$

$$y^2 + 13y + 42 = 0$$

$$y^2 + 7y + 6y + 42 = 0$$

$$y(y + 7) + 6(y + 7) = 0$$

$$(y + 6)(y + 7) = 0$$

$$y = -6, -7$$

Hence $x < y$

21) Answer: E

$$2x^2 - 10x - 48 = 0$$

$$2x^2 - 16x + 6x - 48 = 0$$

$$2x(x - 8) + 6(x - 8) = 0$$

$$(2x + 6)(x - 8) = 0$$

$$x = -3, 8$$

$$y^2 - 16y - 297 = 0$$

$$y^2 - 27y + 11y - 297 = 0$$

$$y(y - 27) + 11(y - 27) = 0$$

$$(y + 11)(y - 27) = 0$$

$$y = -11, 27$$

The relationship between x and y cannot be established

22) Answer: D

$$2x^2 + 9x + 10 = 0$$

$$2x^2 + 4x + 5x + 10 = 0$$

$$2x(x + 2) + 5(x + 2) = 0$$

$$(2x + 5)(x + 2) = 0$$

$$x = -2, -5/2 = -2, -2.5$$

$$2y^2 - 7y - 22 = 0$$

$$2y^2 + 4y - 11y - 22 = 0$$

$$2y(y + 2) - 11(y + 2) = 0$$

Top Important Quadratic Equation Questions for IBPS PO Pre 2021 – English Version

$$(2y-11)(y+2)=0$$

$$y=11/2, -2$$

$$y = 5.5, -2$$

$$x \leq y$$

23) Answer: A

$$x^2-28x+187=0$$

$$x^2-17x-11x+187=0$$

$$x(x-17)-11(x-17)=0$$

$$(x-17)(x-11)=0$$

$$x=17, 11$$

$$y^2+7y+12=0$$

$$y^2+4y+3y+12=0$$

$$y(y+3)+4(y+3)=0$$

$$(y+3)(y+4)=0$$

$$y=-4, -3$$

$$x > y$$

24) Answer: E

$$2x^2 + 26x + 72=0$$

$$2x^2 + 18x + 8x + 72=0$$

$$2x(x + 9) + 8(x + 9)=0$$

$$(2x + 8) (x + 9)=0$$

$$x=-4, -9$$

$$y^2 + 13y + 36=0$$

$$y^2 + 9y + 4y + 36=0$$

$$y(y + 9) + 4 (y + 9)=0$$

$$(y + 4)(y + 9)=0$$

$$y=-4, -9$$

Hence the relationship between x and y cannot be established.

25) Answer: E

$$x^2-21x-196=0$$

$$x^2-28x+7x-196=0$$

$$x(x-28)+7(x-28)=0$$

$$(x+7)(x-28)=0$$

$$x=-7, 28$$

$$y^2-31y+84=0$$

$$y^2-28y-3y+84=0$$

$$y(y-28)-3(y-28)=0$$

$$(y-3)(y-28)=0$$

$$y=3, 28$$

Hence the relationship between x and y cannot be established.

Grand Bundle PDF Course 2021

Exams Covered:

**SBI Clerk | SBI PO | IBPS RRB PO |
IBPS RRB Clerk | IBPS PO | IBPS Clerk**

Separate PDF Course for All Major Bank pre + Mains Exams

- Total No. of Ques: **40,000+**
- Question in Bilingual (Eng & Hindi)
- Answers With Detailed **Video Solution**
- Provides you **50 days Study Planner** for each exams
- **Covers All Types** of Questions in Each Topic
- Questions in **Exact Exam Level**
- All Our PDFs are **Downloadable**
- **100% Satisfaction** Assured & It's Worthy for your money
- Download as PDF & also take **Quiz with Timer**



Grab It Now

guidely

Grand Bundle PDF Course for All Bank Prelims Exams 2021

Separate PDF Courses for All Major Bank Exams

- Total Number of Questions: **25000**
- Language: English & Hindi
- Exact Exam Level Questions
- Answer Key with Video Solution

Exams Covered:

- SBI Clerk
- SBI PO
- IBPS PO
- IBPS Clerk
- IBPS RRB PO
- IBPS RRB Clerk

Validity: 1 Year

Grab It Now

guidely

Grand Bundle PDF Course for All Bank Mains Exams 2021

Separate PDF Courses for All Major Bank Exams

- Total Number of Questions: **15000**
- Language: English & Hindi
- Exact Exam Level Questions
- Answer Key with Video Solution

Exams Covered:

- SBI Clerk
- SBI PO
- IBPS PO
- IBPS Clerk
- IBPS RRB PO
- IBPS RRB Clerk

Validity: 1 Year

Grab it Now

guidely

Grand Bundle PDF Course Combo Prelims + Mains 2021

Separate PDF Courses for All Major Bank Exams

- Total Number of Questions: **40000+**
- Language: **English & Hindi**
- **Exact Exam Level** Questions
- Answer Key with **Video Solution**

Exams Covered:

- SBI Clerk
- SBI PO
- IBPS PO
- IBPS Clerk
- IBPS RRB PO
- IBPS RRB Clerk

Validity: 1 Year

Grab it Now