

SSC Board 2026

Imp question

1. Linear equation in two Variable
Practice set 1.1

Q.2 solve the following Simultaneous equations.

① $3a + 5b = 26$; $a + 5b = 22$

② $2x - 3y = 9$; $2x + y = 13$

③ $5m - 3n = 19$; $m - 6n = -7$

* ④ $99x + 101y = 499$; $101x + 99y = 501$

* ⑤ $49x - 57y = 172$; $57x - 49y = 252$

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Imp question

1. Linear equation in two Variable

Practice set 1.2

Q.2 Solve the following Simultaneous equation graphically.

① $x + y = 6$; $x - y = 4$

② $x + y = 5$; $x - y = 3$

*③ $3x - y = 2$; $2x - y = 3$

*④ $3x - 4y = -7$; $5x - 2y = 0$

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Imp question

1. Linear equation in two variable

Practice set 1.3

Q.1 Determinant

$$\textcircled{1} \begin{vmatrix} -1 & 7 \\ 2 & 4 \end{vmatrix}$$

$$\textcircled{2} \begin{vmatrix} \frac{7}{3} & \frac{5}{3} \\ \frac{3}{2} & \frac{1}{2} \end{vmatrix}$$

Q.2 Cramer's Rule

$$\textcircled{1} 3x - 4y = 10 ; 4x + 3y = 5$$

$$\textcircled{2} 4m + 6n = 54 ; 3m + 2n = 28$$

$$\textcircled{3} 4x + 3y - 4 = 0 ; 6x = 8 - 5y$$

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Imp Question .

1. Linear equation in two Variable
Practice set 1.4

Q.1 Solve the following Simultaneous
equation

$$\textcircled{1} \quad \frac{2}{x} - \frac{3}{y} = 15 \quad ; \quad \frac{8}{x} + \frac{5}{y} = 77$$

$$\textcircled{2} \quad \frac{27}{x-2} + \frac{31}{y+3} = 85 \quad ; \quad \frac{31}{x-2} + \frac{27}{y+3} = 89$$

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Imp Question

2. Quadratic Equation

Practice set 2.1

Q.2 Decide which of the following are quadratic equation.

① $x^2 + 5x - 2 = 0$

② $y^2 = 5y - 10$

* ③ $x + \frac{1}{x} = -2$

* ④ $(m+2)(m-5) = 0$

⑤ $m^3 + 3m^2 - 2 = 3m^3$

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Imp question

2. Quadratic equation

practice set 2.1

Q.3 Write the values of a, b, c.

* ① $x^2 + 5x = -(3-x)$

② $p(3+6p) = -5$

* ③ $(x-1)^2 = 2x+3$

Q.4. Root of equation.

① $x^2 + 4x - 5 = 0$ $x = 1, -1$

* ② $2m^2 - 5m = 0$ $m = 2, \frac{5}{2}$

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Imp question.

2. Quadratic equation

practice set 2.1

* Q.5 find k if $x=3$ is root of equation $kx^2 - 10x + 3 = 0$

* Q.6 one of the root of equation $5m^2 + 2m + k = 0$ is $-\frac{7}{5}$.

Complete the following activity to find value of k .

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Imp question

2. Quadratic equation

Practice set 2.2

1. Solve the following quadratic equations by factorisation.

① $x^2 - 15x + 54 = 0$

② $x^2 + x - 20 = 0$

* ③ $2y^2 + 27y + 13 = 0$

④ $5m^2 = 22m + 15$

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Imp question

2. Quadratic equation

practice set 2.4

2. Solve using formula.

*

① $x^2 + 6x + 5 = 0$

* ② $x^2 - 3x - 2 = 0$

③ $3m^2 + 2m - 7 = 0$

* ④ $5x^2 + 13x + 8 = 0$

⑤ $x^2 + x + 5 = 0$

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Imp question

2. Quadratic equation

practice set 2.5

Q. 2 Discriminant

* ① $x^2 + 7x - 1 = 0$

② $2y^2 - 5y + 10 = 0$

Q. 3 Nature of root

* ① $x^2 - 4x + 4 = 0$

② $m^2 + 2m + 9 = 0$

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SSC Board 2026

Imp question

2. Quadratic equation

Practice set 2.5

Q.4 From the quadratic equation
from the roots given below.

① 0 and 9

② 3 and -10

③ $\frac{1}{2}$ and, $-\frac{1}{2}$

④ $2 - \sqrt{5}$ and $2 + \sqrt{5}$

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SSC Board 2026

Imp question

3. Arithmetic progression
practice set 3.1

Q.1 Which of the following
sequences are A.p ?

- * ① 2, 4, 6, 8, ---
- ② -10, -6, -2, 2, ----
- ③ 0.3, 0.33, 0.333, ---
- * ④ 127, 132, 137, ----
- ⑤ $-\frac{1}{5}, -\frac{1}{5}, -\frac{1}{5}, \dots$

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Imp Question

3. Arithmetic progression

Practice set 3.2

Q. 2 Write an A.P whose first term is a and Common difference is d in each of the following.

① $a = 10, d = 5$

* ② $a = -7, d = \frac{1}{2}$

③ $a = -19, d = -9$

④ $a = 6, d = -3$

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Imp question.

3. Arithmetic progression.

practice set 3.1

Q.3 Find the first term and
Common difference for each of
the A.p.

- ① $5, 1, -3, -7, \dots$
- *② $127, 135, 143, 151, \dots$
- ③ $0.6, 0.9, 1.2, 1.5, \dots$
- ④ $\frac{1}{4}, \frac{3}{4}, \frac{5}{4}, \frac{7}{4}, \dots$

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Imp question

3. Arithmetic progression

practice set 3.2

* Q. 4. find the 19th term of the following A.p.
7, 13, 19, 25, ----

Q. 5 find the 27th term of the following A.p
9, 4, -1, -6, -11, ----

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Imp Question

3. Arithmetic progression

practice set 3.3

* Q.1 First term and Common difference of an A.P are 6 and 3 respectively ; find S_{27}
 $a = 6$, $d = 3$, $S_{27} = ?$

Q.2 find the sum of first 123 even natural numbers .

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Imp Question

4. Financial planning

Practice Set 4.1

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Q.1 'pawan medical' supplies medicines.

on some medicines the rate of

GST is 12%. Find CGST & SGST?

★

Q.2 on certain article if rate of

CGST is 9% then what is the

rate of SGST? and what is the

rate of GST?

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Imp Question

4. Financial planning.

Practice set 4.2

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Q.1 'Chetana store' paid total GST of 1,00,500 Rs at the time of purchase and collected GST 1,22,500 Rs at the time of sale during 1st of July 2017 to 31st July 2017. Find the GST payable by Chetana Store.

*
Q.2 Nazama is a proprietor of a firm, registered under GST. She has paid GST of 12,500 Rs on purchase and collected 14,750 Rs on sale. What is amount of ITC to be claimed? What is the amount of GST payable?

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SSC Board 2026

Imp question

S. probability.

practice set 5.2

Q.1 find S & $n(S)$

- ① one coin & one die thrown simultaneously.
- * ② two digit numbers are formed using digits 2, 3 and 5 without repeating.
- * ③ two coin tossed.

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Imp question

5. probability.

practice set 5.3

Q.1 write sample space's and number of sample point $n(s)$ also find $n(A)$, $n(B)$ and $n(C)$.

*

① one die is rolled,

Event A : Even number on upper face

Event B : odd number on upper face

Event C : prime number on upper face.

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Imp question

S. probability.

practice set 5.3

② Two dice are rolled simultaneously,

Event A : The Sum of the digits on upper faces is a multiple of 6.

Event B : The Sum of the digits on upper face is a minimum 10.

Event C : The Same digit on both the upper faces.

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Imp question

5. probability.

practice set 5.3

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- ④ Two digits numbers are formed using digits 0, 1, 2, 3, 4, 5 without repetition of the digits.

Event A : Number formed is even.

Event B : Number is divisible by 3

Event C : The Number formed is greater than 50.

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Imp question

5. probability.

Practice set 5.4

Q.2 If two dice are rolled simultaneously, find the probability of the following events.

- ① The sum of the digits on the upper faces is at least 10.
- ② The sum of the digits on the upper faces is 33.
- ③ The digit on the first die is greater than the digit on second die.

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SSC Board 2025

Imp question

practice set 5.4

Q.4 A two digit number is formed with digits 2, 3, 5, 7, 9 without repetition.

- ① an odd number ?
- ② a multiple of 5 ?

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