

Sample

0	0	1	2	3	4
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0	0	0	0	0	0
1	1	●	2	1	1
2	2	2	●	2	2
3	3	3	3	●	3
4	4	4	4	4	●
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
●	●	9	9	9	9

991234



R-605

SSC-A-I-2026 (9th)

(Section-A) Marks= (15) Time Allowed: 20 Minutes

All questions of this section must be answered on this page and handed over to the Superintendent within given time.

Student Name: _____

Name of Paper: GENERAL MATHEMATICS (GM-I)

Paper Date: 13-APR-26

Paper Code: 25

Signature of Student: _____

Sign and Seal of Suptd: _____

SEAL

Roll No

Student Must Fill the Roll Number Bubbles.

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0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Paper Version

● B C

سوالات

سوال نمبر کے مطابق درست جواب نمبر کا دائرہ پُر کریں۔

- 1 $\frac{2}{5}$ into percentage is percent. a. 20, b. 30, c. 40, d. 50
- 2 Relationship between two or more proportions is called proportion.
a. compound, b. direct, c. inverse, d. none of these
- 3 Ushr is payable on a. crop, b. gold, c. silver, d. all of these
- 4 Cost price is Rs.320, selling price is Rs.365, profit is a. Rs.45,
b. Rs.55, c. Rs.145, d. Rs 35
- 5 $\frac{\text{Principal amount} \times \text{Rate of profit}}{12} = \dots\dots\dots$ a. mark up, b. mark up rate,
c. profit per month, d. profit rate
- 6 Pound is currency of a. England, b. America, c. China, d. Japan
- 7 Hecto cubic meter is unit of a. energy, b. gas volume, c. volume,
d. none of these
- 8 $x^m x^{-m} = \dots\dots\dots$ a. x, b. 0, c. 1, d. x^2
- 9 The base of natural logarithm is a. 10, b. 2, c. e, d. π
- 10 $\pm\sqrt{ab}$ is mean between two numbers 'a' and 'b'. a. geometric,
b. arithmetic, c. harmonic, d. recurring
- 11 Complement of universal set is a. subset, b. singleton set,
c. power set, d. empty set
- 12 If A is any non-empty set then $\phi \times A = \dots\dots\dots$ a. A, b. ϕ , c. U,
d. none of these
- 13 The two coordinate axis intersect at an angle of a. 30° , b. 60° ,
c. 90° , d. 45°
- 14 Sum of quantities divided by number of quantities is called a. average,
b. mean, c. mode, d. median
- 15 The number written under the radical sign is called a. base, b. power,
c. radical, d. radicand

- 1 (A) (B) ● (D)
- 2 ● (B) (C) (D)
- 3 ● (B) (C) (D)
- 4 ● (B) (C) (D)
- 5 (A) (B) ● (D)
- 6 ● (B) (C) (D)
- 7 (A) (B) ● (D)
- 8 (A) (B) ● (D)
- 9 (A) (B) ● (D)
- 10 ● (B) (C) (D)
- 11 (A) (B) (C) ●
- 12 (A) ● (C) (D)
- 13 (A) (B) ● (D)
- 14 (A) ● (C) (D)
- 15 (A) (B) (C) ●

* If the Candidate is absent, The Superintendent Should fill this Circle } and pack the sheet with solved OMR sheets in roll number order } → ○

Time: 2 Hours 40 Minutes

SECTION-B

Marks: 36

1. Attempt any nine of the following short questions. Each question carries 4 marks.

- i. Find Q_1 and Q_3 for the data 10, 12, 16, 20, 18, 22, 24
- ii. If $x = \{1, 2, 3, 4\}$ and $y = \{5, 6, 7, 8\}$ then write a function which is bijective from x to y .
- iii. If $x : \frac{3}{7} :: \frac{8}{9} : \frac{36}{35}$, find x .
- iv. Abid paid Rs.4925 as Zakat. Find his savings.
- v. Find cost price when selling price = Rs.38456 and profit % = 4.5%
- vi. Mr. Akram deposits Rs 50000 in a PLS account. If the profit rate is 10% then how much profit he would get after two months.
- vii. Arif bought a plot of size $60 \times 40'$. If 1 square foot costs Rs.200, then find the value of plot. Also find the amount of the tax at the rate of 5%.
- viii. Simplify $\sqrt{\frac{x^b}{x^c}} \times \sqrt{\frac{x^c}{x^a}} \times \sqrt{\frac{x^a}{x^b}}$ using laws of exponents.
- ix. Find 10th term of an AP 18, 15, 12, 9, ...
- x. Verify commutative property of union and intersection for the sets $C = \{-1, -3, -5, -7, -9\}$ and $D = \{-2, -4, -6, -8, -10\}$
- xi. Draw a line segment $\overline{AB}$ joining by the points $A(5, 7)$ and $B(-7, 9)$
- xii. If $\log 2 = 0.3010$, $\log 3 = 0.4771$ and $\log 7 = 0.8450$ then find the value of $\log \frac{49}{6}$

SECTION-C

Marks: 24

NOTE: Attempt any three of the following questions. Each question carries 8 marks.

2. Find the median for the values 2, 4, 5, 6, 3
3. A person died and left assets worth Rs.432880. Rs.10000 were spent on his burial. Divide the remaining amount among his widow, whose share is $\frac{1}{3}$ of the amount and a son, a daughter in the ratio 2:1.
4. Insert four geometric means between $\frac{1}{5}$ and 625.
5. 20 persons consume 160 gallons drinking water in 40 days. In how many days 25 persons will consume 175 gallons drinking water.