

GENERAL MATHEMATICS

9th (Fresh/Reappear)

۱۔ ہر سوال کے سامنے چار دائرے دیئے گئے ہیں، صرف صحیح جواب والا دائرہ بھر دیں۔

۲۔ دائروں کو شیڈ (بھرنے) کے لیے نیچے پائالے رنگ کا لکڑا استعمال کریں۔

۳۔ جواب میں ایک سے زائد دائرے بھرنے سے جواب غلط تصور ہو گا۔

Time: 20 Minutes

SECTION-A

Marks: 15

Q1: Choose the correct option i.e, A,B,C or D?

- If a worker is paid Rs. 120 daily, his monthly income will be.
☐ Rs. 43200 ☒ Rs. 3600 ☐ Rs. 900 ☐ Rs. 300
- $x^{\frac{2}{3}} \cdot x^{\frac{1}{6}} = \underline{\hspace{2cm}}$.
☐ $x^{\frac{5}{8}}$ ☒ $x^{\frac{1}{6}}$ ☐ $x^{\frac{5}{3}}$ ☐ $x^{\frac{1}{3}}$
- If $\log_x 256=4$, then value of x will be.
☐ 16 ☒ 8 ☐ 4 ☐ 2
- The general term of AP 6,10,14,18,.....
☐ $2+n$ ☐ $2+2n$ ☐ $2+3n$ ☒ $2+4n$
- Geometric mean between 3 and 27.
☐ ± 3 ☒ ± 9 ☐ ± 12 ☐ ± 15
- If $A=\{1,2,3\}$, $B=\{0,1\}$, then $A \cap B = \underline{\hspace{2cm}}$.
☐ $\{0\}$ ☒ $\{1\}$ ☐ $\{0,1\}$ ☐ $\{1,2,3\}$
- A point $(-4,-5)$ lies in.
☐ Quadrant-I ☐ Quadrant-II
☒ Quadrant-III ☐ Quadrant-IV
- The sum of deviations of measured from their AM is always equal to.
☒ 0 ☐ 1 ☐ 2 ☐ 3
- Convert 2.6% in decimal fraction.
☐ 2.6 ☒ 0.26 ☐ 0.026 ☐ 0.0026
- In what ratio 70 be decreased to become 25?
☒ 5:14 ☐ 7:14 ☐ 7:2 ☐ 7:5
- Nisab of gold for payment of Zakat is.
☐ 7.5gm ☐ 87gm ☐ 52gm ☐ 609gm
- Cost price is Rs. 320, selling price is Rs. 365. Then profit will be.
☐ Rs. 685 ☐ Rs. 145 ☐ Rs. 55 ☐ Rs. 45
- Patwasha sold a bag for Rs. 261 and suffered a loss of 13%. Find the

cost of the bag.

☐ Rs. 200 ☐ Rs. 300 ☐ Rs. 400 ☐ Rs. 500

14. If 1 Yen = Rs. 0.88, then 300 Yens will be equal to.

☐ Rs. 264 ☐ Rs. 266 ☐ Rs. 268 ☐ Rs. 270

15. In the given, the direct tax is.

☐ Custom duties ☐ Excise duty ☐ Income tax ☐ All these

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Note: Time allowed for Section-B & Section-C is 2 Hours and 40 Minutes.

SECTION-B

Marks: 36

Q2: Attempt any NINE parts. Each part carries 4 marks?

1. The cost of 6 eggs is Rs. 84. How much 4 dozen eggs will cost?
2. Find the amount of Zakat payable on Jewellery of worth Rs. 275,000 and cash of Rs. 75,000?
3. Aslam bought a bicycle for Rs. 12000 and sold it at a profit of 15%. Find the selling price?
4. Umar deposits Rs. 8000 in a bank for 2 years fixed period. If the profit rate is 12%. How much profit he would get?
5. If the worth of the property of a person is Rs. 800000, how much tax he would pay at the rate of 5%?
6. A person bought a car the cost Rs. 700000. If sale tax is 7%. What is the total amount that the person must pay?

7. Simplify with the help of logarithm $\frac{2.8^3}{(6.52)^2}$?

8. Find the value of "x" if $\log_x 0.25 = 2$?

9. Insert three geometric means between $\frac{1}{27}$ and 3?

10. In A.P $a_1 = 43$, $a_{10} = 7$ find a_{20} ?

11. If $A = \{x, y\}$, $B = \{1, 2, 3\}$ then write any 4 binary relations from A to B?

12. Find the missing coordinate in the order pair: $3m + 6n = 18$, $(, 3)$, $(-2,)$?

SECTION-C

Marks: 24

Q3: Attempt any THREE questions. All questions carry equal marks?

1. 4 masons construct 15m long wall in 5 days. How many masons will be required to construct 21m long wall in 3 days?
2. If $u = \{1, 2, 3, 4, 5, 6, 7\}$, $A = \{2, 5, 6\}$, $B = \{1, 2, 3\}$ then find:

(a) $(A \cap B)'$ (b) $A' \cup B'$

Also draw venn diagram.

3. Solve the following simultaneous equations by using graphical method: $x + 4y = 5$, $2x + 3y = 0$
4. Find the variance and standard deviation for the following data: 6, 8, 10, 12, 14

