

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $(a + b)c = ac + bc$ B. $a + b = b + a$ C. $(a + b) + c = a + (b + c)$ D. $a(b + c) = ab + ac$
2	$A \cup (A \cap B) =$ -----	A. B B. A C. $A \cup B$ D. None of these
3	$\cos 315^\circ =$ _____	
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. an A.P. B. a G.P. C. a H.P. D. None of these
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
6	In natural logarithm the base is	A. 1 B. 0 C. 10 D. e
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. An empty set B. Universal set C. A singleton set D. None of these
8	$G = \{e, a, b, c\}$ is an Abelian group with e as identity element. The order of the other elements are	A. 2, 2, 2 B. 3, 3, 3 C. 2, 2, 4 D. 2, 3, 4
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $3/8$ B. $7/8$ C. $1/8$ D. None
10	$(A \cup B) \cup C =$ -----	A. $A \cap B \cup C$ B. $A \cup (B \cap C)$ C. $A \cup (B \cap C)$ D. None of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. none of these
12	In set builder notation the set $\{0, 1, 2, \dots, 100\}$ can be written as	
13	The degree of differential equation is the power of the	A. Lowest order derivative B. Highest order derivative C. Integral D. All are correct
14	$(0.90)^{1/2}$ is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
15	Cofactor of an element $a_{ij}$ denoted by $A_{ij}$ is	A. $(-2)^{i+j}$ B. $M_{ij}$ C. $(-1)^{i+j} M_{ij}$ D. None of above
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\cos 2x = \sin 4y$ B. $\cos 4y = \cos 2x$ C. $\cos 3y = \sin 4x$ D. None of these
17	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
		A. Relation

18 The set of points  $\{(x,y)|y = f(x), \forall x \in \mathbb{R}\}$  is called

- B. Graph of  $f$
- C. Function
- D. All are correct

19 Question Image 

20 The set of all antiderivatives of  $f (= \int f(x) dx)$  is the

- A. Definite integral
- B. Indefinite integral
- C. Integral
- D. Area