

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	QUQ'	
2	$(-28, 12)$ divides the join of $A(-6, 3)$ and $B(5, -2)$ in ratio	A. 1:2 B. 3:2 C. 2:3 D. 2:1
3	In how many ways can 5 persons be seated at a round table	A. 5! B. 4! C. 3! D. 120
4	Question Image	
5	Question Image	
6	Question Image	
7	The domain and range of a trigonometric function can be allocate by their	A. graph B. Continuity C. Discontinuity D. Periods
8	If $\triangle ABC$ is right, law of cosine reduce to	A. Law of sine B. Law of tangent C. Phthogorous theorem D. Hero's formula
9	Question Image	A. $A^2 + 5A + 7I = 1$ B. $2A^2 + 3A + 7I = 0$ C. $A^2 + 5A + I = 0$ D. $A^2 + 5A + 7I = 0$
10	Question Image	D. none of these
11	Sum of two quantities is at least 20 is denoted by	A. $x + y = 20$ B. $x + y \geq 20$ C. $x + y \neq 20$ D. $x + y \leq 20$
12	Question Image	A. Rational B. Irrational C. Even D. Odd
13	The equation $ x + 4 = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
14	Question Image	A. 0 B. 1 C. 2 D. 4
15	$\forall a, b, c \in \mathbb{R}$ and $c > 0$, then	A. $a > b \Rightarrow ac < bc$ B. $a > b \Rightarrow ac > bc$ C. $a < b \Rightarrow ac > bc$ D. None of these
16	The set $\{ \{a, b\} \}$ is	A. Infinite set B. Singleton set C. Two points set D. Empty set
17	A circle which touches one side of a triangle externally and the other two sides produced is called _____	A. In-circle B. Circum circle C. Escribed circle D. None of these
18	$(A \cup B) \cup C =$ -----	A. $A \cap B(B \cup C)$ B. $A \cup (B \cup C)$ C. $A \cup (B \cap C)$ D. $(A \cap B) \cup C$

D. None of these

19

Question Image

- A. Additive property in \mathbb{R}
- B. Multiplication property in \mathbb{R}
- C. Cancellation property in \mathbb{R}
- D. Distribution property in \mathbb{R}

20

Question Image

- A. Only one real solution
- B. Exactly three real solution
- C. Exactly one rational solution
- D. Non-real roots