

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	<input type="text" value="Question Image"/>	
3	If $z=(x,y)$ then z has no multiplicative inverse when	A. $x \neq 0, y = 0$ B. $x = 0, y = 0$ C. $x = 0, y \neq 0$ D. None of these
4	Which of the following integrals can be evaluated	
5	<input type="text" value="Question Image"/>	A. 5 B. 20 C. 9 D. 4
6	<input type="text" value="Question Image"/>	A. -1 B. 0 C. 2 D. 1
7	<input type="text" value="Question Image"/>	
8	$(A \cap B)^c =$	A. $A \cap B$ B. $(A \cup B)^c$ C. $A^c \cup B^c$ D. $\Phi$
9	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
10	What is the 26th term of the sequence, if its general term is $a_n = (-1)^{n+1}$	A. 2 B. 26 C. 27 D. 1
11	If A and B are two sets then intersection of A and B is denoted by	
12	$\sin(\pi/2+\theta) =$ _____;	A. $\sin\theta$ B. $\cos\theta$ C. $-\sin\theta$ D. $-\cos\theta$
13	<input type="text" value="Question Image"/>	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
14	The number of standard parabolic functions are is	A. 4 B. 2 C. 3 D. 1
15	Given X,Y are any two sets such that number of elements in set X = 28, number of elements in set Y = 28, and number of elements in set $X \cup Y = 54$ , then number of elements in set $X \cap Y =$	A. 4 B. 3 C. 2 D. 1
16	<input type="text" value="Question Image"/>	
17	<input type="text" value="Question Image"/>	
18	$\tan \theta/2$	
19	The distance of a moving particle at any instant t is $x = 3t^2 + 1$ then velocity of particle at t = 10 is	A. 50 cm/sec B. 60 cm/sec C. 61 cm/sec D. None of these

Which of the following sets has closure property w.r.t. addition

- A.  $\{0\}$
  - B.  $\{1\}$
  - C.  $\{0, -1\}$
  - D.  $\{1, -1\}$
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