

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	$6! = \underline{\hspace{2cm}}$	A. 360 B. 720 C. 6.5.4 D. None of these
4	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
5	Question Image	A. 0 B. 1 C. -A D. -1
6	The points (5, 0, 2), (2, -6, 0), (4, -9, 6) and (7, -3, 8) are vertices of a	A. Square B. Rhombus C. Rectangle D. Parallelogram
7	The slope of the normal at (4,3) to the circle $x^2+y^2=25$ is	A. $3/4$ B. $-3/4$ C. $4/3$ D. $-4/3$
8	Name the property used in $4.1 + (-4.1) = 0$	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
9	If S is a sample space and event set $E = S$ then $P(E)$ is	A. $>0$ B. 1 C. $<1$ D. 0
10	The 26th term of the A.P -2,-4,10,.....is	A. 136 B. -136 C. 148 D. -148
11	Question Image	
12	If $a = 2i + 2j$ , $b = 3i - j$ and $c = 4i + 5j$ , the $3b - a - 2c =$	A. $-i - 15j$ B. $i - 15j$ C. $i - 3j$ D. None of these
13	Question Image	D. none of these
14	If $a, b = 0$ then	A. $a \perp b$ B. $a \parallel b$ C. $a = b$ D. None
15	If a statement $S(n)$ is true for $n = 1$ and the truth of $S(n)$ for $n = k$ implies the truth of $S(n)$ for $n = k + 1$ , then $S(n)$ is true for all	A. Real numbers n B. Integers n C. Positive integers n D. None of these
16	If in a set of real no a is additive identity then	A. $a+a = 2a$ B. $a+a = 1$ C. $a+a = 0$ D. None of these
17	Range of $3 \sin x$ is _____	A. $[-3, 3]$ B. $[-1, 1]$ C. R D. None of these
		A. (3, 1, -2)

18  B. (3, -2, 1)  
C. (2, -1, 3)  
D. (-1, -2, -3)

19 If  $c = 2i+j+k$  and  $d = -1 + 4j + 2k$ , then  $|c-d| =$  A.  $\sqrt{7}$   
B.  $\sqrt{41}$   
C.  $\sqrt{19}$   
D.  $\sqrt{2+7}$

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