

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Which of the following is a scalar	A. weight B. force C. speed D. momentum
2	In $(x + iy)$, y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
3	$1 + 2 + 3 + \dots + n = \underline{\hspace{2cm}}$	
4	Question Image	A. 0 B. 1
5	Domain of tangent function is	
6	What is the period of $\cos 6x = ?$	A. $\pi/2$ B. $\pi/3$ C. $\pi/4$ D. π
7	Question Image	
8	Question Image	
9	The set $\{\{a,b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
10	If the angle between two vectors with magnitude 6 and 2 is 60° when their scalar product is	A. 12 B. 6 C. 3 D. 0
11	Question Image	
12	Question Image	B. 0 C. 1 D. undefined
13	Domain of $\operatorname{cosec} \theta$ is	
14	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
15	Question Image	
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	Express the perimeter P of square as a function of its area A?	A. $P = 4\sqrt{A}$ B. $P = \sqrt{A}$ C. $P = 2A$ D. $P = \pi\sqrt{A}$
18	Arithmetic mean between 14 and 18 is	A. 16 B. 17 C. 15 D. 32
19	The distance between the points (2,3) and (3,2) is	A. 5 C. 2 D. 10
20	Question Image	A. $a \operatorname{cosec}(ax + b) + c$ B. $-a \operatorname{cosec}(ax + b) + c$

