

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The area of a sector with central angle of 0.5 radians in a circular region whose radius is 2m is	
3	The points A(3,1),B(-2,-3),C(2,2) are vertices of an (an)	A. Right triangle B. Equilateral triangle C. Isosceles triangle D. Scalene triangle
4	A statement which is either true or false is called	A. Induction B. Deduction C. Proposition D. Logic
5	The equation of the directrix of the parabola $x^2 = 4ay$ is	A. $x + a = 0$ B. $x - a = 0$ C. $y + a = 0$ D. $y - a = 0$
6	$f(x) = 2^x + 3 \cdot 2^{2x} + 5$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
7	The difference of two consecutive terms of an A.P. is called _____	A. General term B. Common ratio C. Common difference D. None of these
8	Question Image	
9	Question Image	
10	Question Image	
11	Which of the following is an identity matrix?	D. none of these
12	The range of the function $f : x \rightarrow y$ is defined by	A. $\{x y = f(x) \forall x \in X \wedge y \in Y\}$ B. $\{(x,y) y = f(x) \forall x \in X\}$ C. $\{y y = f(x) \forall x \in X \wedge y \in Y\}$ D. Y
13	The third term of a G.P. is the square of first term. If the second term is 8, then the 6th term is	A. 120 B. 124 C. 128 D. 132
14	Question Image	A. $2x + 3$ B. $x^2 + 3 + c$
15	By expressing $\sin 125^\circ$ in terms of trigonometrical ratios, answer will be	A. $\sin 65^\circ = 0.9128$ B. $\sin 55^\circ = 0.8192$ C. $\sin 70^\circ = 0.5384$ D. $\sin 72^\circ = 0.1982$
16	Question Image	
17	Roots of the equation $9x^2 - 12x + 4 = 0$ are	A. Real and equal B. Real and distinct C. Complex D. None of these
18	$\operatorname{Cosec} 60^\circ =$ _____	
19	Question Image	
20	If the angle between two vectors with magnitude 2 and 15 is 30° then their scalar product is	B. 15 C. 30

