

Mathematics General Science Test Medium Mode

0		A 01 :
Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	Which conjunction is not true ?	
3	A quadrilateral whose diagonals are perpendicular bisector of each other is	A. Square B. Rectangle C. Rhombus D. Parallelogram E. Trapezium
4	The value of the expression 3 cosθ+ 4 sinθθlie between	A7 and 7 B25 and 25 C1 and 1 D5 and 5
5	Period of sin x is	
6	Question Image	
7	Union of the sets of rational and irrational numbers is called 6th set of	A. Natural numbers B. Real numbers C. Whole numbers D. Prime numbers
8	Question Image	
9	n(n-1)(2n-1), for all natural numbers n, is divisible by	A. 12 B. 6 C. 2 D. 18
10	The quadratic formula is	
11	The coordinates of a point P(x,y) referred to XY-system are	A. (x+y,y+k) B. (x-h,y-k) C. (x,y) D. (x-h,y-k)
12	Range of cosec x is	A. {-1, 1} B. R C. Negative real numbers D. R - { x - 1 < x < 1}
13	An ellipse slides between two lines at right angles to one another. The locus of its centre is :	A. a parabola B. an ellipse C. a circle D. a hyperbola
14	Question Image	A. 0
		C. 1
15	The projections of a line segment on x, y, z axes are 12, 4, 3. The length and the direction cosines of the line segment are	
16	Which of the following is not a quadrantal angle	A. 90° B. 100° C. 180° D. 270°
17	Question Image	
18	The angle between the vectors $\underline{\mathbf{u}}$ = [-3 , 5] and $\underline{\mathbf{v}}$ = [6 , -2] is:	A. π/2 B3π/2 C. π D. None of these
19	The magnitude of vector a=i-3j+5k is:	A. 3 B. √35 C. √17 D. √35
20	If a tangent line touches the function $y = f(x)$ in more than one point then $y = f(x)$ is	A. Periodic B. Surjective C. Bijective