Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The point on $y^2 = 4ax$ nearest to the focus has its abciassae equal to	A. -a B. a C. a/2 D. 0
2	The area enclosed between the graph $y = x^2 - 4x$ and the x- axis is:	A. 20/3 B. 41/3 C. 32/3 D. 25/3
3	The expansion of $(1 - 3x)^{-1}$ is valid if	A. | x | < 1 B. | x | < 3 C. | x | < 1/3 D. None of these
4	The line $2x + \sqrt{6}y = 2$ is a tangent to the curve x2 -2y2 =4 The point of contact is	A. ($\sqrt{6}$,1) B. (2,3) C. (7,-2$\sqrt{6}$) D. (4,-$\sqrt{6}$)
5	For n€ N,$2^{n>2}$ > n is to only when	A. n<2 B. n≤ 4 C. n≥ 4
6	(fog)′(x) =f′(g(x))g′(x) is derivative by	A. Chain rule B. Reciprocal rule C. Power rule D. Product rule
7	The parabola y2 + 2y + x = 0 lie in _____ quadrant.	A. First B. Second C. Third D. Fourth
8	Question Image	C. 2x D. 2
9	$2\pi+\theta$ will have terminal side in Quad	A. I B. II C. III D. IV
10	∀a,b ε R, ab = be is a	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplicative identity
11	If Cosθ=0, thenθ= _____	A. nπ/2 B. (2n + 1)π/2 C. (2n - 1)π/2 D. (4n + 1)π/2
12	When a selection of object is made without paying regard to the order of selection, it is called	A. Sequence B. Series C. Combination

		D. Permutation
13	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
14	Question Image	
15	The center of the sphore which passes thro' (a, 0, 0), (0, b, 0), (0, 0, c) and (0, 0, 0) is	
16	If p and q are two statements then their biconditional 'p if q' is denoted by	
17	Which of the following us a scalar	A. displacement B. velocity C. acceleration D. density
18	The system of measurement in which the angle is measured in degrees, minutes and seconds is called the	A. circular system B. CGS system C. sexagesimal system D. none of these
19	Question Image	
20	$\int \sin(ax+b)\,dx$ is equal to:	A. 1/2a cos (ax + b) B. -1/a cos (ax +b) C. 1/a cos (ax +b) D. 1/a ln (ax + b)