Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. 2 C. -1 D. 0
2	In common logarithm the base is	A. 1 B. 0 C. 10 D. e
3	Question Image	A. 1 B. 0 C. -1 D. 2
4	Question Image	A. 3 B. 6 C. 0 D. None of these
5	If $\triangle ABC$ is right, law of cosine reduce to	A. Law of sine B. Law of tangent C. Phthogorous theorem D. Hero's formula
6	$w^{-12} = $ _____	A. 0 B. 1 C. w D. w^2
7	Question Image	
8	Question Image	A. - cos x B. sin x C. - sin x D. sec x
9	If $z_1 = \sqrt{-36}$, $z_2 = \sqrt{-25}$, $z_3 = \sqrt{-16}$ then	A. 15 B. 15i C. -15i D. -15
10	Question Image	
11	A point of a solution regions where two of its boundary lines intersect, is called:	A. Vertex of the solution B. Feasible point C. Point of inequality D. Null point of the solution region
12	The number of points of intersection of two curves y = 2 sin x and y = $5x^2$ + 2x + 3 is	A. 0 B. 1 C. 2 D. None of these
13	Question Image	A. $\pi / 3$ B. $\pi / 4$ C. $\pi / 2$ D. π
14	Question Image	C. ln f(x) + c D. f(x) - c
15	The set R is _____ w.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group

16	The distance of point P(x,y) from focus in a parabola $y^2 = 4ax$, is:	A. 2a B. a C. x + a D. x-a
17	If x - 1 is a factor of x4 - 5x2 + 4 then other factor is	A. (x + 2)2(x - 1) B. (x + 2)(x - 1)2 C. (x+2)(x2- x- 2) D. (x + 2)2(x - 1)2
18	For a square matrix A, if A = At, then A is called	A. Matrix B. Transpose C. Symmetric D. Non-symmetric
19	if the value of the sphere, $v = 4/3\pi r^2$, then the which of the following statement is true?	A. r is the function of v B. v is the function ofπ C. π is independent variable D. None of these
20	If $f(x) = x^2 - x$ then f(2) is	A. 4 B. 6 C. 2 D. 0