Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The additive inverse of 2/3 is	A. 3/2 B. -2/3 C. -3/2 D. 0
2	Question Image	
3	A circle drawn inside a triangle and touching its sides is called _____;	A. Circumcirle B. Incircle C. Escribed circle D. unit circle
4	Corner point of the system x - y≤ 2,x + y≤ 4,2x -y≤ 6,x≥ 0,y≥ 0	A. (1,4) B. (4,2) C. (3,1) D. (4,1)
5	$2\cos^2 a/2 =$_____;	A. 1+sina B. 1-sina C. 1+cosa D. 1-cosa
6	The distance of a moving particle at any instant t is $x = 3t^2 +1$ then velocity of particle at t = 10 is	A. 50 cm/sec B. 60 cm/sec C. 61 cm/sec D. None of these
7	Question Image	A. A parabola B. An ellipse C. A hyperbola D. A circle
8	The quadratic formula is	
9	Question Image	
10	A square matrix A for which $A^t = A$ is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
11	Question Image	A. 110 B. 220 C. 1320 D. None of these
12	For different values of k equation 4x+5y =k represents	A. Parallel lines B. Lines parallel to x -axis C. Perpendicular lines D. Lines parallel to y -axis
13	The value of sin 28°cos 17° +cos 28°sin 17° is	
14	Roots of the equation $x^2 - x = 2$ are	A. {2, -1} B. {1, 0} C. {2, 1} D. {-2, 1}
15	If p, q, r and in A.P., a is G.M. between p and q and b is G.M. between q and r, then a^2, q^2, b^2 are in	A. A.P. B. G.P. C. H.P. D. None of these
16	Question Image	A. images B. pre-images C. constants D. none of these
17	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is:	A. an ellipse B. a circle C. a parabols D. a hyperbola
		A. 2

18	x = _____ is in the solution of 2x - 3 < 0	B. -2 C. 3 D. 4
19	For three consecutive terms in A.P middle term is called	A. A.M B. nth term C. Central term D. None of these
20	The distance of the point (a,b) from y-axis is	A. a B. b C. a + b