Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	1^0= _____	
2	The solution set of the equation 4 $\cos^2 x$ - 3 + 0 is	D. none of these
3	The point which divides the line joining the points (2, 4, 5) and (3, 5, -4) in the ratio -2 : 3 lines on	A. ZOX plane B. XOY plane C. YOZ plane D. None of these
4	Area bounded between the curve xy=2 and the lines x=1 and x=2	A. ln2 square units B. ln√2 square units C. ln4 square units D. Square units
5	System of linear equations is inconsistent if	A. System has no solution B. System has one solution C. System has two solution D. None of above
6	Tan 30° = _____	
7	Question Image	
8	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd term B. 3rd term C. 4th term D. 5th term
9	Which one is a pair of allied angles	A. (180° -θ) B. (180° -θ,180° +θ) C. (180° +θ) D. None of these
10	For all points (x,y) on y-axis	A. x is positive B. x = 0 C. x is negative D. y = 0
11	The equation $x^2 + y^2$ +2g +2fy + c =0 represents a circle whose centre is :	A. (g,f) B. (-g,-f) C. (2g ,2f) D. (-2f ,-2g)
12	Geometrically the modulus of a complex number represents its distance from the	A. Point (1,0) B. Point (0,1) C. Point (1,1) D. Point (0,0)
13	There are 16 point in a plane, in which 6 are collinear. how many lines can be drawn by joining these points?	A. 10 B. 66 C. 71 D. 106
		A. A

14	If A ⊆ B then A ∪ B is	B. B C. A' D. A ∩B
15	The graph of y> 0 is the upper - half of:	A. y-axis B. x-axis C. 1st and 4th quandrant D. 2nd and 3rd quadrant
16	If one end of the diameter of the circle $x^2 + y^2 - 5x = 3y - 22 = 0$ is (3,4) the other end is:	A. (2,7) B. (-2,-7) C. (-2,7) D. (2,-7)
17	If θ be angle between u,v and u,v determine the sides of a triangle then the third side opposite to angle θ has length	A. |u+v| B. |u|+|v| C. |u-v| D. |u|-|v|
18	Φset is the _____ of all sets?	A. Subset B. Union C. Universal D. Intersection
19	The roots of ax2 + bx + c = 0 are always unequal if	A. b2 - 4ac = 0 B. b2- 4ac ≠ 0 C. b2- 4ac > 0 D. b2- 4ac ≥ 0
20	Question Image	