Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The distance between the points A(3,1) and B(-2,-4) is	A. 5 C. 25 D. 10
2	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
3	If a = [1,4,3] and B= [2,-1,5] athen the mid point M of AB is:	A. [1,1,1.5] B. [2,2,1.5] C. [1.5,1.5,4] D. None of these
4	Question Image	
5	Two circle s1: x2+ y2 +2x- 2y- 7= 0: s2: x2+ y2- 6x+ 4y+ 9= 0	A. Touch externally B. Touch internally C. Intersects each other D. Do not intersects
6	A circle passing through the vertices of any triangle is called	A. Circumcirle B. Incircle C. Escribed circle D. Unit circle
7	The slope of the normal at the point (at^2, 2at) of the parabola y^2= 4ax is	A. 1/t B. t C. -t D. -1/t
8	Question Image	A. Additive property of inequality B. Commutative property C. Additive inverse D. Additive identity
9	Question Image	A. 1 B. 12 C. 5 D. 29
10	5 unbiased coins coins are tossed simultaneously. The probability of getting at least one head is	A. 1 / 32 B. 31 / 32 C. 1 / 16 D. None of these
11	Area of inscribed circle is	A. π R2 B. π η2 C. π r22 D. π r2
12	The distance of the points (3, 4, 5) from y-axis is	
13	Question Image	
14	Which is not included in the domain of $\cos^{-1}x$	A. 0 B. 1 C. -1 D. 2
15	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
		A. C²=λ (A²+ B²) B. A²=<span style="font-family: "Times New

16	The line Ax + By + C = 0 will touch the circle $x^2+ y^2=\lambda$ when	Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);">λ(A²+ C²) C. B²=λ(A²+ C²) D. None of these
17	An open sentence formed by using the sign of equality "=" is called	A. Equation B. In equation C. True sentence D. False sentence
18	If the sum of co-efficient in the expansion of $(a+b)^n$is 4096, then the greatest co-efficient in the expansion is	A. 1594 B. 792 C. 924 D. 2924
19	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
20	(a-1)-1 =	A. a-1 B. a C. -a D. None of above