Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1, 1/2, 0 B. 1, 2, 1 C. 1, 2, 3 D. 1, 2, 0
2	Question Image	A. 2x - 3x + c C. x²- 3x + c
3	Question Image	A. (2x+a+b+c) B. (a+b+c) C. (a+b+c+x) D. 0
4	If p and q are two statements then their conjunction is denoted by	
5	Question Image	A. x =0, y =4 B. x = -1, y = 2 C. x = 2, y = 3 D. x = 3, y = 4
6	The distance between the points (0 , 0) and (1, 2) is	A. 5 C. 0 D. 3
7	The graph of y < 2 is the	A. Left half plane B. upper half plane C. Right half plane D. Lower half plane
8	If A is singular then |A| = _____	A. 1 B. 0 C. 2 D. None of these
9	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
10	If A=B, then	A. A⊂B and B⊂A B. A⊆B and B⊈A C. A⊆B and B⊆A D. None of these
11	$(1 - x)^3$= _____	A. 1 + 3x + 3x²+ x³ B. 1 + x + x²+ x³ C. 1 - x + x²- x³ D. 1 - 3x + 3x²- x³
12	Question Image	
13	If the intersecting plane is parallel to a generator of the cone, but intersects its one nappe only, the curve obtained is	A. an ellipse B. a hyperbola C. a circle D. a parabola
14	Question Image	
15	The conic ax2+2hxy+by2+2gx+2fy+c= 0 never represent a circle if	A. a≠ b,h≠0 B. a=b C. h≠0 D. h=0
16	If a=5j + 2j,b=2i -3j, then|a+2b|=	A. √21 B. √97 C. √39 D. None of these
17	The domain of the principle cos function is	

18	PQ is a post of given height a, and AB is a tower at some distance; α and β are the angles of elevation of B, the top of the tower, at P and Q respectively. The height of the tower and its distance from the post are	
19	Question Image	
20	The set of natural no. is closed under	A. multiplication B. subtraction C. difference D. division