Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
3	Question Image	
4	The distance of the plane 2x - 3y + 6z + 14 = 0 from the origin is	A. 14 B. 2 C. -2 D. 11
5	Question Image	
6	Question Image	A. sec 3x + c B. - cosec 3x + c
7	Question Image	A. Scalar matrix B. Identity matrix C. Null matrix D. Symmetric matrix
8	The line y= 4x +c touches the hyperbola x2- y2 =1 if and only if	A. c =±√2 B. c =0 C. c=±√17 D. c=±√15
9	Question Image	A. Associate law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
10	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix
11	A circle is a limiting case of an ellipse whose eccentricity	A. Tends to a B. Tends to b C. Tends to 0 D. Tends to a + b
12	A relation in which the equality is true for all values of the unknown is called _____	A. An identity B. An equation C. A polynomial D. None of these
13	A fixed point which lies on the axis of the cone is called its:	A. axis B. apex C. plane D. diameter
14	Question Image	A. 0 B. 1 C. 13
15	If circumference of circle is divided into 360 congruent parts the angle subtended by one part at the centre of circle is	A. 1 degree B. 1 second C. 1 minute D. 1 radian
16	The feasible region which can be enclosed within a circle is called	A. Bounded region B. Convex region C. Unbounded region D. None
17	Which of the vectors have opposite direction?	
18	Two circles x2 +y2 +8x -9= 0 and x2+y2+6y +k =0 touchinternallyif the value of k is	A. k = 9 B. k = ±9 C. k=-9 D. k=11

19	Question Image	
20	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above