Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The fifth term of the sequence $a_n = 2n + 3$ is _____	A. 13 B. -13 C. 8 D. 3
3	Question Image	
4	If $n \in N$, then $n(n+3)$ is always	A. Multiple of 3 B. Multiple of 6 C. odd D. even
5	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
6	Question Image	A. -1 B. 0 C. 1 D. undefined
7	Question Image	
8	Question Image	A. trigonometric equation B. conditional equation C. identity D. None
9	$3x + 4 \leq 0$ is	A. not inequality B. equation C. identity D. inequality
10	The point lying on the terminal rat of -270° is	A. (1,0) B. (0,-1) C. (0,1) D. (-1,0)
11	If $3x4 + 4x3 + x5$ is divided by $x+1$, which of the following is the remainder	A. 7 B. -2 C. 6 D. 1
12	For all points (x,y) on x-axis	A. x is positive B. x is negative C. y = 0 D. y is negative
13	Two coins are tossed twice each. The probability that the head appears on the first toss and the same forces appear in the two tosses is	A. 1/4 B. 1/2 C. 1/3 D. 1/7
14	Question Image	A. 1/x B. -x C. 2x D. 0.5 x
15	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
16	A square matrix A = [aij] is lower triangular matrix when	A. aij = 0 for all i<j B. bij = 0 C. cij = 0 D. dij = 0
		A. [1, -1] B. [-1, 1] C. [0, -1]

17	The range of y = sin x is _____	D. [-∞ + ∞]

18	Question Image	A. 3/8 B. 7/8 C. 1/8 D. None

19	If z=(x,y) then z has no multiplicative inverse when	A. x ≠ 0, y = 0 B. x = 0, y = 0 C. x = 0, y ≠ 0 D. None of these

20	The eccentricity of the parabola y^2= -8x is	A. -2 B. 2 C. -1 D. 1