Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. -1 C. 0 D. None of these
2	Question Image	
3	$\sin 2\alpha =$	
4	The behavior of trigonometric function is called	A. Continuity B. Discontinuity C. Periodicity D. Smoothness
5	The two lines y = 2x and x =2y are	A. Parallel B. Perpendicular C. Equally inclined with axes D. Congruent
6	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
7	Question Image	
8	What is the circular measure of the angle between the hands of a watch at 4 O'clock	
9	$f(x) = \sin x + \cos^2 x$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
10	How many terms of the A.P 3,6,9,12,15...........must be taken to make the sum 108	A. 8 B. 6 C. 7 D. 36
11	The multiplicative inverse of x such that x = 0 is	A. -x B. does not exist C. 1/x D. 0
12	Question Image	
13	The line l is horizontal if	A. m is undefined B. m=0 C. m=1 D. m=0-1
14	Question Image	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
15	Question Image	
16	Question Image	
17	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Equation C. Proper fraction D. Improper fraction
18	$\cot(3\pi/2 -\theta)=$_____;	A. $\tan\theta$ B. $\cot\theta$ C. $-\tan\theta$ D. $-\cot\theta$
19	Question Image	A. real part of z B. imaginary part of z C. conjugate of z D. modulus of z

| 20 | The set of months in a year beginning with S. | A. {September, October, November}
B. Singleton set
C. Null set
D. Empty set |