Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B. -1 C. 0 D. Does not exist
2	Question Image	
3	Domain of $\sin\theta$ is	A. Set of real numbers B. Set of complex numbers C. Set of natural numbers D. Set of even numbers
4	Question Image	A. z is purely imaginary B. a is any complex number C. z is real D. None of these
5	Question Image	
6	The set {Z\{0}} is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
7	If x+y+z+.....+2n = 2n+1-1 $\forall n \in W$,then cube root of xyz is equal to	A. 1 B. 4 C. 2 D. 8
8	Question Image	
9	The value of the expression $\sin\theta + \cos\theta$ lies between	
10	Question Image	B. sin 2x + c C. -sin 2x + c
11	Question Image	
12	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None
13	The Domain of y = sin x is _____	A. Set of real numbers B. Rational C. Irrational no. D. None of above
14	Question Image	A. 8 B. 1/56 C. 56 D. None of these
15	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors D. none of these
16	Question Image	
17	Question Image	A. xy B. y C. 0 D. x
18	In R the right cancellation property w.r.t. addition is	
19	Question Image	
20	The locus of the point of intersection of tangents to an ellipse at two points, sum of whose eccentric angles is constant is	A. A parabola B. A circle C. An ellipse D. A st. line