Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Inverse of the function y-10x is	A. y=logx B. y=lnx C. x=10y D. x=10y
3	Question Image	A. 1 B. 2 C. 3
4	The exact degree value of the function sin-1(-√3/2) is	A. 70° B. 50° C. 90° D. 60°
5	Question Image	
6	Intersection of two parabolas	A. parabola B. Two points C. Four points D. Hyperobla
7	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
8	A cone is generated by all lines through a fixed point and the circumference of	A. a Circle B. an ellipse C. a Hyperbola D. None of these
9	Question Image	
10	The physical quantity which possesses both magnitude and direction is called a	A. scalar B. vector C. constant D. none of these
11	Question Image	
12	Question Image	
13	Which of the following is a scalar.	A. force B. frequency C. weight D. acceleration
14	A non-terminating non_recurring decimal represents an	A. Irrational no B. Both a & c C. Rational no D. None of these
15	A person standing on the bank of a river observes that the angle subtended by a tree of the opposite bank is 60°, when he retreats 40 m from the bank, he finds the angle to be 30°. The height of the tree and the breadth of the river are	
16	$\sin[\cot^{-1}\{\cos(\tan^{-1}x)\}]=$	
17	Question Image	
18	If a polynomial P(x) is divided by x + a, then the remiander is	A. P(a) B. P(-a) C. P(0) D. None of these
19	Question Image	A. One-to-one and onto B. One-to-one but not on to C. Onto but not one-to-one D. Neither one-to-one nor onto
		A. 2^{n+1}

20   The sum of even coefficient in the binomial expansion is

B. 2^n
C. 2^{n-1}
D. 2n