Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The transpose of a row matrix is a _____	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
2	The angle of elevation of the top of a tree from a point 17 meters from is foot is 42°The height of the tree is	A. 12m B. 21m C. 17m D. 15m
3	x = 1 is in the solution of the inequality	A. x + 1 > 0 B. x - 2 > 0 C. 3x - 1 < 0 D. x + 2 < 0
4	Three right angles is the angle of measure	A. 270° B. 180° C. 90° D. 270'
5	Question Image	
6	Question Image	
7	Power set of X i.e P(X) _____ under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
8	Derivative of a w.r.t x is	A. 0 B. 1 C. x D. x
9	The obtuse angle between lines = -2 and y = x +2 is	A. 120° B. 135° C. 150° D. 140°
10	Question Image	A. 1/2 B. 2 C. 1/4 D. 4
11	Question Image	
12	A card is drawn from a pack of cards numbered 2 to 53. the probability that the number on the card is prime number less than 20 is	A. 2 / 13 B. 4 / 13 C. 5 / 13 D. 8 / 13
13	Question Image	A. 2 B. 4 C. 6 D. 8
14	One root of the equation cos x - x + 1/2 = 0 lies in the interval	
15	Question Image	
16	A sequence whose reciprocal is an A.P is called	A. Oscillator B. H.P C. G.P D. None of these
17	If $f(x) = x^2$ then f(0) is	A. 0 B. 1 C. 2 D. none of these
18	The set {0,-1} hold closure property under	A. Addition B. Both a & c C. Multiplication D. None of the

19	Which of the following is a quadrantal angle	A. 100° B. 200° C. 170° D. 270°
20	Question Image	