Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 30° B. 45° C. 60° D. 90°
2	Let A and B be two sets. If every element of A is also an element of B then	
3	There may be _____ feasible solution in the feasible region	A. Infinite B. Finite C. Defined D. None of above
4	The minimum value of the quadratic function f(x) = x2 +6x -2, is	A. 11 B. 6 C. -11 D. 13
5	Let the sequence 1, 2, 2, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, ... where n consecutive terms have the value n, then 1025th term is	A. 2⁹ B. 2¹⁰ C. 2¹¹ D. 2⁸
6	Two balanced dice are tossed once, the sample space when the integers on the faces of two dice are the same is	A. {(1, 1), (2, 2), (3, 3)} B. {(4, 4), (5, 5), (6, 6)} C. {(1, 1), (2, 2), (3, 3), (4, 4), (5, 5), (6, 6)} D. None of these
7	Question Image	A. Linear equation B. Quadratic equation C. Cubic equation D. None of these
8	$\cos h^2 x + \sin h^2 x$	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
9	Question Image	
10	Question Image	
11	AB is a vertical pole and C is its middle point. The end A is on the level ground and P is any point on the level ground other than A. the portion CB subtends and angle β at P. If AP : AB = 2 : 1 then β=	
12	A line joining two distinct points on a parabola is called	A. Axis B. Directrix C. Chord D. Tangent
13	Question Image	
14	Power set of difference set N-W is	A. Empty set B. Infinite set C. Singleton set D. {0,∅}
15	p, q, r and s are integers. If the A.M. of the roots of x2- px + q2= 0 and G.M. of the roots of x2- rx + s2= 0 are equal, then	A. q is an odd integer B. r is an even integer C. p is an even integer D. s is an odd integer
16	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = 1 B. X = -2, y = 1 C. X = 2, y = -1 D. X = 2, y = 2
17	Question Image	A. c/a B. -c/a C. b/a D. -b/a

18	Question Image	
19	Question Image	A. 0 B. 90° C. 180° D. 360°
20	_____ invented a symbolic way to write the statement "y is a function of x" as y= f(x)	A. Leibniz B. Newton C. Euler D. None of these