Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Two positive integers whose sum is 30 and their product will be maximum are	A. 12,18 B. 10,20 C. 15,15 D. 14,16
2	Question Image	
3	Question Image	A. Rational B. Irrational C. Natural D. Odd
4	The period of|sin2x| is	A. π/2 B. -π/2 C. π D. π/3
5	The points (5, 2, 4)(6, -1, 2) and (8, -7, k) are collinear if k is equal to	A. -2 B. 2 C. 3 D. -1
6	An unbiased die is thrown. Then the probability of getting a prime is	A. 1/2 B. 2/3 C. 3/4 D. None of these
7	Question Image	A. An expression B. Rational fraction C. Equation D. Identity
8	Question Image	
9	The corner point of the boundary lines, x-2y 2x + y = 2 is:	A. (2,6) B. (6,2) C. (-2,2) D. (2,-2)
10	The period of the function f(x) = $\sin^4 x + \cos^4 x$ is	A. π B. π/2 C. 2π D. None of these
11	The distance of the point (1.1) from the origin is	A. 0 B. 2
12	The general term of a sequence is denoted by	A. a₁ B. a_n C. n D. s_n
13	x = _____ is in the solution of 2x + 3 < 0	A. 0 B. 2 C. -1 D. -2
14	When the angle between the ground and the sun is 30□,flag pole costss a shadow of 40 mg long, the height of the top of the flag is	A. 25m B. 23m C. 12m

	long. the height of the top of the flag is	D. 29m
15	Question Image	A. 1 B. -1
16	Question Image	
17	Question Image	
18	Question Image	
19	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers
20	For a positive integer n	A. n! = n(n + 1) B. n! = n(n+1)! C. n! = n(n - 1) D. n! = n(n - 1)!