Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
2	ax + by < c is linear inequality in	A. four variables B. three variables C. two variables D. one variable
3	If a tangent line touches the function y = f (x) in more than one point then y = f (x) is	A. Periodic B. Surjective C. Bijective D. Injective
4	Question Image	A. P(A) + P(B) B. P(A) - P(B) C. P(A) . P(B) D. P(A) / P(B)
5	i^2 =	A. 1 B. 2 C. -1 D. 0
6	Question Image	
7	Question Image	A. A = B B. B = C C. A = C D. None of these
8	If n is any positive integer then 3 + 6 + 9 + ...+ 3n = _____	
9	Every whole number is	A. A real number B. An irrational number C. A prime number D. A negative integer
10	w^{73}= _____	A. 0 B. 1 C. w D. w²
11	Question Image	A. 0.9 B. 0.74 C. 0.2016 D. None of these
12	Question Image	A. The law of consines B. The law of sines C. The law of tangents D. None of these
13	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
14	The set (Z, +) forms a group	A. Forms a group w.r.t addition B. Forms a group w.r.t multiplication C. Non commutative group w.r.t multiplication D. Doesn't form a group
15	The set {-1,1} is	A. Group under the multiplication B. Group under addition C. Does not form a group D. Contains no identity element
16	If y = sin (ax + b), then fourth derivative of y with respect to x =	A. a⁴cos (ax + b) B. a⁴sin (ax + b) C. -a⁴sin (ax + b) D. a⁴tan (ax + b)

17	Domain of sec x is _____	
18	Question Image	A. p < r B. p > rr C. p + r < 0 D. p - r < 0
19	Question Image	A. Two real roots B. Two positive roots C. Two negative roots D. One positive and one negative root
20	Question Image	A. 3x²+ 2 B. 3x²+ 2x + 3 C. x³+ x² D. none of these