Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If distance between (3,b) and (0,0) is 3 then b = _____	A. 3 C. 9 D. 0
2	The multiplicative inverse of x such that x = 0 is	A. -x B. does not exist C. 1/x D. 0
3	If #n = (n-5)2 + 5, then find #3 x #4.	A. 54 B. 12 C. 4 D. 9
4	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions
5	Question Image	A. -2x³ B. 2x⁻³ C. -2x⁻³ D. 2x³
6	π is the period of the function	A. |sin x| + |sin x| B. sin⁴x + cos x C. sin (sin x) + sin (cos x) D. None of these
7	How many 6-Digit number can be formed without repairing any digit from the digits 0,1,2,3,4,5	A. 720 B. 600 C. 120 D. 6-5!
8	The multiplicative inverse of 1 - 2i is	
9	(ABC)' =	A. CBA' B. CBA C. C'B'A D. C'B'A'
10	The law of consines is	
11	Question Image	A. 15 B. 15 i C. -15 i D. -15
12	The equation |x +4| = x has solution	A. x = -2 B. x = 2 C. x = -4 D. x = 4
13	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these
14	Derivative of strictly increasing function is always	A. Zero B. Positive C. Negative D. Both (A) and (B)
15	Domain of tan x is _____	
16	The sum of indicated terms of a sequence is called	A. Arithmetic series B. Series C. Harmonic series D. None of these
17	Question Image	
18	The function f : x→ y defined as f (x) =α∀x∈ X α∈ y is called	A. Constant function B. Polynomial function

18	The function f : x→ y defined as f (x) =α ∀ x∈ X,α∈ y is called	C. Identity function D. Linear function
19	Let A and B be two sets. If every element of A is also an element of B then	
20	sin (α+β) + sin (α-β)	A. 2 sinα cosβ B. sin (2α β) C. sinαcosα D. None of these