Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Order (or sense) of an inequality is changed by multiplying or dividing its each side by a:	A. Zero B. one C. negative constant D. Non negative constant
2	Cos-1 (-x) =	A. -x B. 1/x C. tan-1 x D. π-cos-1 x
3	Range of tan x is _____	A. [-1, -] B. R C. Negative real numbers D. R - {x | - 1 < x < 1}
4	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the intersection is	A. an ellipse B. a hyperbola C. a circle D. a parabola
5	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None
6	If distance of (a,b) from x-axis is 2 then	A. a = 2 B. b = 2 C. a = b D. b = 4
7	The number of words that can be formed out of the letters of the word ASSASSINATION is	
8	The angle of depression of a point situated at a distance of 70 meters from the base of a tower is 45°. The height of the tower is	A. 70 m B. 85 m C. 35 m D. None of these
9	Question Image	A. 2x - 3x + c C. x^2- 3x + c
10	Question Image	A. 2 B. -1 C. 8 D. not defined
11	1 + 2 + 3 + ... + n = _____	
12	Question Image	A. x = f(y) B. y = f(x) C. x = f(x) D. y = f(y)
13	Which is not a half plane	A. ax + by < c B. ax + by > c C. Both A and B D. None
14	If ϱ> 1 , then the conic, is:	A. Ellipse B. Parabola C. Hyperbola D. None of these
15	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
16	In-radius is denoted by	A. r B. η C. r2 D. R
17	Number of selections of n different things out of n	A. 1 B. nPr C. n!

		D. nPr
18	Which is a proper rational fraction	
19	Every term of a G.P. is positive and also every term is the sum of two preceding terms. Then the common ratio of the G.P. is	
20	Question Image	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property