Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Ifθ= 60° then	A. sinθ= 1/2 B. tanθ= cot 30° C. θ=π/4 D. secθ= 4
2	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
3	5th term of a G.P. is 2, then the product of first 9 terms is	A. 256 B. 128 C. 512 D. None of these
4	What is the period of sin 2x/3 cos 4x=?	A. π B. 2π C. π/2 D. π/3
5	Question Image	A. 5 B. 25 D. 3
6	The set of the first elements of the orders pairs forming a relations is called its	A. Relation in B B. Range C. Domain D. Relation in A
7	Question Image	
8	If n(X) = 18, n(X∩Y) = 7, n(X∪ Y) = 40 then n(Y) =	A. 1 B. 12 C. 5 D. 29
9	The number of terms in the expansion of $(a + b)^9$is	A. 10 B. 11 C. 9 D. 12
10	The equation |x + 4| = x has solution	A. x = -2 B. x = 2 C. x = -4 D. x = 4
11	Question Image	A. c = 0 B. c = -1 C. c = -2

		D. c = 1
12	Question Image	D. none of these
13	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
14	The first three terms in the expansion of $(1 + x)^{-1}$are	A. 1 + x + x² B. 1 - x - x² C. -1 -x + x² D. 1 - x + x²
15	Domain of tan x is _____	
16	If 0 = R, thenthe additive inverse of a is	A. 1/9 B. ^{1/-9} C. a D. -a
17	The parabola y^2= x is symmetric about	A. x-axis B. y-axis C. Both x and y-axis D. The line y = x
18	If a 1-1 correspondence can be established b/w two sets A and B, then they are called	A. Equal sets B. Equivalent sets C. Over lapping sets D. None of these
19	To each element of a group there corresponds ..... inverse element	A. Two B. One C. No D. Three
20	Question Image	A. A = C B. A = B C. B = C D. None of these