Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	cotθ= sin 2θifθ=	
2	We also the system of non-homogeneous linear equations by	A. a and b B. b and c C. c and a D. a, b and c
3	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
4	Question Image	
5	If A(x_1, y_1) , B(x_2, y_2) and C(x_3, y_3) are the vertices of a triangle then its centroid is	
6	Question Image	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
7	Question Image	
8	If f(x) = tan x then f(0) is	A. 0 B. 1 C. 1/2
9	Question Image	A. 0 B. 1 C. -1 D. None of these
10	InΔABC if y = 90° then the Pythagoras theorem is	A. b2 + c2 =a2 B. a2 + b2 = c2 C. a2 +c2 = b2 D. None of these
11	Question Image	
12	Roots of the equation x^2- x = 2 are	A. {2, -1} B. {1, 0} C. {2, 1} D. {-2, 1}
13	Sin -1 x=	A. sin(π/2-x) B. Sin-1 (π/2-x) C. π/2-cos-1x D. π/2 + cos-1x
14	Question Image	
15	Question Image	
16	Question Image	A. l3 B. rl3 C. r D. none
17	Question Image	
18	The equation of the tangent at vertex to the parabola is y2 = -8(x -3)	A. y=0 B. x=3 C. x=1 D. x=5
19	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant
20	Roots of the equation $9x^2$- 12x + 4 = 0 are	A. Real and equal B. Real and distinct C. Complex

D. None of these