Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. a cot(ax + b) + c B. - a cot(ax + b) + c
3	Question Image	
4	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
5	The angle of elevation of the top of a tree from a point 17 meters from is foot is 42$\square$The height of the tree is	A. 12m B. 21m C. 17m D. 15m
6	What is the conjugate of -6 -i	A. -6 +i B. 6 + i C. -6 -i D. 6 -i
7	Additive inverse of - a - b is	A. a B. -a + b C. a - b D. a + b
8	The equation |x +4| = x has solution	A. x = -2 B. x = 2 C. x = -4 D. x = 4
9	Question Image	
10	If x - 1 is a factor of x4 - 5x2 + 4 then other factor is	A. (x + 2)2(x - 1) B. (x + 2)(x - 1)2 C. (x+2)(x2- x- 2) D. (x + 2)2(x - 1)2
11	In any triangle ABC,with usual notation$\alpha\sin\beta$ =____;	A. b sinα B. bsinβ C. αsinα D. None of these
12	the latus rectum of the parabola x^3 = -4ay is:	A. x = a B. y = -a C. x = -a D. y = 0
13	Question Image	
14	The symbol _____ shall be used both for equation and identity	A. \<br\>
15	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is	A. an ellipse B. a hyperbola C. a circle D. a parabola
16	Question Image	
17	Question Image	A. - cos x B. sin x C. - sin x D. sec x
18	Question Image	A. 1, 2, 3 B. 1, 5, 9 C. 2, 5, 8 D. 3, 6, 9
19	The velocity and acceleration at any point t of a particle which moves along straight line x = 5r-3	A. 5,3 B. 5,-3 C. 5,0 D. 10,0

D. 10,0

| 20 | Question Image | A. -3
B. -7
C. 1
D. 0 |