Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. The law of sines B. The law of consines C. The law of tangents D. None of these
3	$^nC_2$ = exists when n is _____	
4	The span of a standard parabola depends upon	A. x B. a C. y D. y2
5	The process of finding the unknown elements in triangle is called the	A. solution of the triangle B. Mean differnece C. Engineering distance D. angle of depressin
6	If $ax^2 + bx + x = 0$ is satisfied by every value of x, then	A. b = 0, c = 0 B. c = 0 C. b = 0 D. a = b = c = 0
7	Question Image	
8	The angle between the vectors $\underline{u}$ = [-3 , 5] and $\underline{v}$ = [6 , -2] is:	A. π/2 B. -3π/2 C. π D. None of these
9	The sum even binomial coefficient of (3+2x)5 is _____term	A. 16 B. 30 C. 8 D. 32
10	Question Image	
11	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
12	For trival solution |A| is	A. A B. |A| is non zero C. A = 0 D. None of these
13	$\cot\theta = \sin 2\theta$ if θ =	
14	If π≤x≤2π, then cos-1 (cos x)=	A. cos x B. -x C. 1/x D. -x
15	Question Image	A. a cos(ax + b) + c B. - a cos(ax + b) + c
16	Question Image	A. 0 B. -1 C. 1/2 D. 1
17	Vector additon is:	A. Commutative B. Associative C. Commutative and Associative D. None of these
18	Which of the following is a scalar.	A. electric field B. magnetic field C. weight D. mass

19	Question Image

20	$\sin(180° - \theta) =$	A. cos θ
		B. -cos θ
		C. Tan θ
		D. Sin θ