Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For any positive integer n	A. ABn = Bn A ⇔ AB = BA B. ABn = Bn A⇔ A,B are square matrices and AB = BA C. ABn = BnA⇔ A + B D. ABn = BnA ⇔ A and B are square matries
2	Question Image	
3	The graph of y < 2 is the	A. Left half plane B. upper half plane C. Right half plane D. Lower half plane
4	If the terminal rays of an angle falls on any axis then the angle is called	A. Allied angle B. Acute angle C. Standard position D. Quadrantal angle
5	Question Image	
6	In triangle ABC, in which b=95, c=34, a =52 then the value of a=	A. 18 cm B. 18.027 cm C. 20.7 cm D. 19 cm
7	Question Image	A. Cos 2x = sin 4y B. Cos 4y = cos 2x C. Cos 3y = sin 4x D. None of these
8	Question Image	A. 2^x B. 2^xln x C. 2^xln 2
9	Question Image	A. 6, -12, -18 B. -6, 4, 9 C. -6, -4, -9 D. -6, 12, 18
10	The position vector of a point (x, y) in xy plane is	D. none of these
11	Question Image	A. 0 B. 1 C. -1 D. 2
12	Which of the following is a scalar	A. weight B. force C. speed D. momentum
13	If all members of a sequence are real numbers then it is called a	A. Series B. Function C. Real sequence D. Range
14	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
15	A series consisting of an unlimited number of terms is termed as an	A. Finite sequence B. Infinite sequence C. ^{Infinite series} D. geometric sequence
16	Question Image	
17	An equation in which at least one term contains dy/dx, d^2 y /dx^2etc, is called.	A. Differential equation B. Initial condition C. General solution D. Singular equation

18	The vertices of the ellipse $x^2 + 4y^2 = 16$ are	
19	Question Image	
20	The point _____ is in the solution of the inequality $4x - 3y < 2$	A. (0,1) B. (2,1) C. (2,2) D. (3,3)