NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	A. 1 B. 2 C. 3 D. 4
4	Question Image	A. Both A,B have the same number of columns B. Both A and B do not have the same order C. Number of col A is same as number of rows of B D. Number of rows of A is same as number of col of B
5	In Binomial Expansion the coefficients of the terms equidistant from beginning and end of the expansion are	A. Zero B. Same C. Equal to preceding term D. Equal to following term
6	If P(E) is the probability that can event will occur, then P(E) =	A. 1 B. 0.5 C. 2 D. 0
7	Question Image	
8	Question Image	
9	Question Image	
10	If c is a constant number and if f is the function defined by the equation f(x) = c for all values of x, then f is differentiable at every x and f is defined the equation f(x) = _____	A. f B. 1 C. C D. 0
11	If A and B are matrices such that AB=BA=I then	A. A and B are multiplicative inverse of each other B. A and B are additive inverses of each other C. . A and B are singular matrices D. A and B are equal
12	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
13	3/2 is	A. An irrational number B. Whole number C. A positive integer D. A rational number
14	Question Image	D. None
15	Sin(a + b) + Sin (a - b) =	A. Sin a Cos b B. Sin a Sin b C. Sin a + Cos b D. Sin a - 2 Cos b
16	Question Image	D. -2-i
17	Question Image	
18	If the diagonal of a square has coordinates (1, 2) and (5,6) the length of a side is	A. 3 B. 4 C. 1 D. 5
		A. Same as the original determinant

19	If any two rows (or any two columns) of a square matrix are inter changed, the determinant of the resultant matrix is	B. Additive inverse of the original determinant C. Both A and B D. Adj of the original matrix
20	Two natural numbers whose sum is 25 and difference is 5, are	A. 25, 20 B. 20, 10 C. 20, 5 D. 15, 10