PPSC Economics Topic 13 Mathematics in Economics

Sr	Questions	Answers Choice
1	A function where a variable x can only very in jumps, is often called.	A. Non linear functions B. Inverse function C. Step function D. All of above
2	An equation in which all variables are raised to the first power is known as.	A. Linear equation B. Non linear equation C. Quadratic equation D. Polynomial of degree two
3	The objects constituting a set are called	A. Estimates B. Elements C. Set object D. Noe of these
4	The elements in the Horizontal line in a matrix is called.	A. Columns B. Rows C. Elements D. Diagonal
5	For any square matrix a of order 'n'a (Ad)A) is equal to.	A. (Ad) A) A B. Determinant A C. Rank of A D. Both a and b
6	If A and B are symmetric matrix, then AB- BA is.	A. Symmetric B. Skew symmetric matrix C. Idempotent matrix D. Orthogonal matrix
7	A matrix with all elements zero other than all the diagonals is called.	A. Diagonal matrix B. Orthogonal matrix C. Unit matrix D. Column vector
8	Given the demand and supply cautions qo = -8p + 2000 and qs = 12 p - 200 respectively the equilibrium price.	A. p = 100 B. p = 110 C. p = 120 D. p = 140
9	Union of A with B is same as union of B with A, that is AUB = BUA is termed as	A. Associative law of union B. Cumulative law of union C. Reflective law D. All the above
10	A mathematical statement setting two algebraic expressions equal to each other is called.	A. Equations B. Hypothesis C. Inequality D. All of above
11	The set of all elements belonging to A but not to B is.	A. B - A B. A - B C. A' D. B'
12	If every element of a raw of column of a square matrix A is zero, then the value of the determinant. is.	A. Equal B. One C. zero D. Not equal
13	a possible use in encomia's for the circle or the ellipse is to model.	A. Production possibility curve B. Demand cuve C. Isocost liine D. Supply curve
14	If each element of a raw of column of a square matrix A is zero, then the value of the determinant. is.	A. Equal B. One C. Zero D. None of these
15	If all the elements of a matrix of any order are zero, it is called.	A. Identity matrix B. Null matrix C. Zero matrix D. Both b and c

16	"No two elements of a set are identical" this statements is.	A. Always true B. Sometimes true C. Not true D. All of the above is possible
17	If matrix A is of m x n dimension, then A will be	A. n x m dimension B. m x n dimension C. n x p dimension D. m x m dimension
18	A set totality of elements from all possible sets is called.	A. Union set B. Intersection set C. Universal set D. Unit set
19	If A is a square matrix of order ' n' and lis the unit matrix of the same order then A 1 is equal to.	A. A B. 1A C. 1 D. Both a and b
20	Given or known values in an equation are called.	A. Constants B. Parameters C. Coefficients D. All of the above