PPSC Economics Topic 13 Mathematics in Economics

Sr	Questions	Answers Choice
1	Union of A and a null set is equal is.	A. Intersection of A and null set B. Null set C. Both a and b D. A
2	The slope of a horizontal line is.	A. One B. Zero C. Three D. two
3	If any equation involving two variables, such as y -=2x + 1, the variable that appears on the right hand side of the equation is by convention called.	A. Dependent variable B. independent variable C. Endogenous variable D. Explained variable
4	if we are told that the two statements y = 3x2 and y = x + 10' are bout true at the same time , they are called.	A. Implicit functions B. explicit functions C. Simultaneous equations D. Quadratic equations
5	If every element of a set B is also an elements of A then	A. A is a subset of B B. B is a subset of A C. A is not a subset of B D. B is not a subset of A
6	If two sets contains the same number of distinct elements but not the same elements are called.	A. Pie diagram B. Venn diagrams C. Histogram D. Ogives
7	The variable that stands alone on the left hand side of the equation such as y = 2x + 1 is known as.	A. Dependent variable B. Independent variable C. Endogenous variable D. Explained variable
8	Given the demand function qo = -8p +2000 and tis inverse p = -1/8 qo + 250 ,p in the inverse function which is interpreted as the maximum price that buyers are willing to pay for the.	A. Supply price B. Demand price C. Equilibrium price D. Reserved price
9	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
10	Collection of well defined distinct objects thought of as a whole is called	A. Union B. Derivative C. Set D. Integral
11	Relation between two numbers or variables are called.	A. Function B. Binary relation C. Inverse relation D. None of the above
12	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
13	A set totality of elements from all possible sets is called.	A. Union set B. Intersection set C. Universal set D. Unit set
14	Ordered Pairs of two sets are called.	A. Elements B. Function C. Cartesian product D. None of the above
15	a x2 + bx + c = 0	A. Linear equation B. Quadratic equation C. Polynomial of degree five D. None of these

16	The sufficient condition required for the matrix to posses inverse is that the matrix should be.	A. square matrix B. Singular matrix C. Non singular matrix D. Orthogonal matrix
17	AB = BA = 1 , then B is said to	A. Ad joint of matrix of A B. Inverse matrix of A C. Determinant of A D. Cofactor of a
18	If a Set C contain all the elements which are present in both the set A and B then set C is called.	A. Union of A and B B. Intersection of A and B C. Complement of A D. Complement of B
19	A positive definite Hessian fulfills the second order conditions for	A. Maximum B. Minimum C. Both maximum and minimum D. Mini max
20	In Vann diagram the universal set is represented by	A. Points within a rectangle B. Points within a circle C. Both a and b D. None of these