PPSC Economics Topic 13 Mathematics in Economics

Sr	Questions	Answers Choice
1	a x2 + bx + c = 0	A. Linear equation B. Quadratic equation C. Polynomial of degree five D. None of these
2	The determinant of quadratic form is called.	A. Jacobian determinant B. Hessian determinant C. Discriminant D. None of these
3	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
4	A polynomial equation with degree two a called.	A. Linear equation B. Quadratic equation C. Parabola equation D. All of the above
5	any number raise to the power zero is always equal to.	A. zero B. one C. two D. The number itself
6	if A = A , then A is	A. Symmetric matrix B. Skew symmetric matrix C. Identity matrix D. Orthogonal matrix
7	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
8	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
9	The increase in dependent variable that results when the independent variable increases by one unit in a simple lines. function is called.	A. Y intercept of the curve B. Slope of the curve C. X intercept of the curve D. Marginal value
10	The set of subsets of a set A is called.	A. Power set of A B. Complement of A C. Both a and b D. None of these
11	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
12	"Null set is proper subset of all the non nul sets" this statement is.	A. Always true B. sometimes true C. Never true D. True subject to some conditions
13	Relation between two numbers or variables are called.	A. Function B. Binary relation C. Inverse relation D. None of the above
14	Union of A and the universal set is	A. A B. A' C. Universal set D. None of these
15	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

16	A negative definite Hessian fulfills the second order conditions for.	A. Maximum B. Minimum C. both maximum and minimum D. Mini max
17	Which method is used for finding inverse of a matrix.	A. Gauss elimination method B. Henrich standard method C. Co factor method D. Both a and c
18	If A and B are symmetric matrix, then AB- BA is.	A. Symmetric B. Skew symmetric matrix C. Idempotent matrix D. Orthogonal matrix
19	The objects constituting a set are called	A. Estimates B. Elements C. Set object D. Noe of these
20	The simplest form of rectangular hyperbola is	A. y = 1/x B. y = x2 C. y = x-2 D. y = x3