ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	Question Image	
2	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B. -1 C. 0 D. Does not exist
3	In a country, 55% of the male population has houses in cities while 30% have houses both in cities and in village. Find the percentage of the population that has house only in villages.	A. 45 B. 30 C. 25 D. 50
4	Which symbolic notation represent unary operation ?	A. - B. ∨ C. ∧ D. ⇔
5	A function whose range is just one element is called	A. One-one function B. Constant function C. Onto function D. Identity function
6	A - B = _____	
7	The number of subset of {0} is	A. 1 B. 2 C. 3 D. None
8	Which of the following is the subset of all sets?	
9	The set of complex numbers forms	A. Commutative group w.r.t addition B. Commutative group w.r.t multiplication C. Commutative group w.r.t division D. Non commutative group w.r.t addition
10	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
11	The geometrical representation of a linear function is	A. Circle B. Parabola C. Straight lie D. None of these
12	The set of real numbers is a subset of	A. The set of natural numbers B. The set of rational numbers C. The set of integers D. The set of complex numbers
13	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
14	The multiplicative inverse of x such that x = 0 is	A. -x B. Does not exist C. 1/x D. ±1
15	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
16	Question Image	A. a constant function B. linear function C. quadratic funtion D. none of these
		A. Natural numbers

17	Question Image	B. Whole numbers C. Integers D. Rational numbers
18	Question Image	A. 1/x B. -x C. 2x D. 0.5 x
19	If a 1-1 correspondence can be established b/w two sets A and B, then they are called	A. Equal sets B. Equivalent sets C. Over lapping sets D. None of these
20	Question Image	A. A B. A' C. U D. A A'