ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	A conditional "if p then q" is denoted by	
2	Every subset of a finite set is	A. Disjoint B. Null C. Finite D. Infinite
3	The set of complex numbers forms a group under the binary operation of	A. Addition B. none of these C. Division D. Subtraction
4	The set {-1,1} is	A. Group under the multiplication B. Group under addition C. Does not form a group D. Contains no identity element
5	If A is a set then any subset R of A x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
6	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
7	A disjunction of two statement p and q is true	A. p is false B. q is false C. Both p and q are false D. One of p and q is true
8	If we have a statement "if p then q" then q is called	A. Conclusion B. Implication C. Unknown D. Hypothesis
9	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
10	*P∉A means*	A. Pis subset of A B. Pis an element of A C. P does not belongs to A D. A does not element of P
11	The set { {a, b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
12	The graph of a quadratic function is	A. Circle B. Straight line C. Parabola D. Triangle
13	Question Image	A. Addition B. Subtraction C. Multiplication D. None of these
14	The geometrical representation of a linear function is	A. Circle B. Parabola C. Straight lie D. None of these
15	G = {e, a, b, c} is an Abelian group with e as identity element. The order of the other elements are	A. 2, 2, 2 B. 3, 3, 3 C. 2, 2, 4 D. 2, 3, 4

16	Power set of X i.e P(X).....under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
17	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
18	Which of the following is the subset of all sets?	
19	Which of the following has the same value as i113	A. i B. -1 C. -i D. 1
20	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set