ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	Question Image	
2	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
3	Question Image	
4	Question Image	
5	Question Image	A. 1 B. 12 C. 5 D. 29
6	The set {1,-1, i, -i} form a group under	A. Addition B. Multiplication C. Subtraction D. None
7	The many subset can be formed from the set {a,b,c,d}	A. 8 B. 4 C. 12 D. 16
8	If p and q are two statements then their biconditional 'p if q' is denoted by	
9	To each element of a group there corresponds .... inverse element	A. Two B. One C. No D. Three
10	The negation of a number	A. a relation B. a function C. unary operation D. binary operation
11	If $x = 1/x$ for $x \in R$ then the value of x is	A. ±1 B. 0 C. 2 D. 4
12	If S = {3,6,9,12.......}, then	A. S = Four multiples of 3 B. S = Set of even numbers C. S = Set of prime numbers D. S = All multiples of 3
13	Z is a group under	A. Subtraction B. Multiplication C. Addition D. None of these
14	The set of integer is	A. Finite group B. A group w.r.t addition C. A group w.r.t multiplication D. Not a group
15	The set of even prime numbers is	A. (2,4,6,8,10} B. {2,4,6,8,10,12} C. {1,3,5,7,9} D. {2}
16	If f:A→B is an injective function and second elements of no two of its ordered pairs are equal, then f is called	A. 1-1 and onto B. Bijective C. 1-1 and into D. None of these
17	A conditional is regarded as false only when the antecedent is true and consequent is	A. True B. False C. Known D. Unknown

18	If n(A) = n then n(P(A)) is	A. 2n B. n^2 C. n/2 D. 2^n
19	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
20	Group of none-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these