ECAT Mathematics Chapter 2 Set, Functions and Groups

Sr	Questions	Answers Choice
1	The set (Q, .)	A. Forms a group B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
2	The set {Z\{0}} is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
3	Question Image	D. None of these
4	*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
5	If A⊆ B, and B is a finite set, then	A. n (a) < n(B) B. n(B)<(A) C. n(A)≤ n (B) D. n(A)≥ n(B)
6	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
7	If A and B are two sets then intersection of A and B is denoted by	
8	Question Image	
9	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
10	For any set B, BUB' is	A. Is set B B. Set B' C. Universal set D. None of these
11	The function f{(x, y) | $y = ax^2 + bx + c$} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
12	The complement of set A relative to universal set U is the set	A. {x / x∈ A∧ x∈ U} B. {x / x∉ A∧ x ∈ U} C. {x / x∈ A and x ∉ U} D. A-U
13	The extraction of cube root of a given number is a	A. Unary Operation B. Binary Operation C. Relation D. None of these
14	A = B iff	A. All elements of A also the elements of B B. A and B should be singleton C. A and B have the same number of elements D. If both have the same element
15	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
16	A function whose range is just one element is called	A. One-one function B. Constant function C. Onto function D. Identity function
		A. Infinite set

17	The set {{a,b}} is	B. Singleton set C. Two points set D. None
18	Which of the following is the subset of all sets?	
19	A conjunction of two statement p and q is true only if	A. p is true B. q is true C. Both p and q are true D. both p and q are false
20	A - B = _____	