

ECAT Pre General Science Mathematics Chapter 2 Set, Functions and Groups Online Test

Sr	Questions	Answers Choice
1	The set { {a,b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
2	The graph of a quadratic function is	A. Circle B. Straight line C. Parabola D. Triangle
3	A statement which is either true or false is called	A. Induction B. Deduction C. Propositicon D. Logic
4	Question Image	
5	If $z1 = 2 + 6i$ and $z2 = 3 + 7i$ then which expression defines the product of $z1$ and $z2$	A. 36 +(-32)i B36+32i C. 6+(-11)i D. 0, +(-12)i
6	Question Image	D. None of these
7	(A ∩ B)c =	A. A∩ B B. (A ∪ B)c C. Ac∪Bc D. Φ
8	A - B =	
9	Question Image	
10	The set of complex numbers forms a group under the binary operation of	A. Addition B. none of these C. Division D. Subtraction
11	The set which has no proper subset is	A. {0} B. {} C. {∅} D. None of these
12	The set (Z, +) forms a group	A. Forms a group w.r.t addition B. Forms a group w.r.t multiplication C. Non commutative group w.r.t multiplication D. Doesn't form a group
13	The set {1, -1, 1, -1}, form a group under	A. Addition B. Multiplication C. Subtraction D. None
14	In set builder notation the set {0, 1, 2,, 100} can be written as	
15	The set (Q, .)	A. Forms a group B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
16	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
17	Question Image	
18	{x x∈R∧x≠x} is a	A. Infinite set B. Null set C. Finite set D. None of these
		A. 5

19	If B ={ $x/x \in Z^{-3} < x < 6$ }, then n (B) =	B. {-3,-2,-1,0,1,2,3,4,5,6} C. 8 D. 9
20	The set {1,-1, i, -i} form a group under	A. Addition B. Multiplication C. Subtraction D. None