Mathematics ECAT Pre Engineering Online Test

Sr	Questions	Answers Choice
1	If n(A) = n then n(P(A)) is	A. 2n B. n² C. n/2 D. 2ⁿ
2	Question Image	
3	A set having only one element is called	A. An empty set B. Universal set C. A singleton set D. A power set
4	Which of the following sets is finite	A. The set of natural numbers between 3 and 10 B. The set of rational numbers between 3 and 10 C. The set of real numbers between 0 and 1 D. The set of rational numbers between 0 and 1
5	Which of the following sets in infinite	A. The set of students of your class B. The set of all schools in Pakistan C. The set of natural numbers between 3 and 10 D. The set of rational numbers between 3 and 10
6	A - B = _____	
7	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets
8	Question Image	A. A finite set B. An infinite set C. An empty set D. None of these
9	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
10	Question Image	A. A is proper subset of B B. A is an improper subset of B C. A is equivalent to B D. B is subset of A
11	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
12	A = B if	D. A is equivalent to B
13	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set
14	The set of rational numbers is subset of	A. The set of natural numbers B. The set of real numbers C. The set of integers D. The set of whole numbers
15	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
16	The set of integers is a subset of	A. The set of natural numbers B. The set of whole numbers C. The set of prime numbers

		D. The set of rational numbers
17	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
18	The set of natural numbers is a subset of	A. {1, 2, 3, ... 100} B. The set of whole numbers C. {2, 4, 6, 8, ...} D. None of these
19	Let A and B be two sets. If every element of A is also an element of B then	
20	Question Image	A. Evert element of A is in B B. Every element of B is in A C. Every element of A is in B' D. Every element of A is in A
21	Question Image	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
22	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
23	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
24	Name the property used in 4.1 + (-4.1) = 0	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
25	Name the property used in 100 + 0 = 100	A. Additive inverse B. Multiplicative inverse C. Additive identity D. Multiplicative identity
26	Name the property used in 4 x (5 x 8) = (4 x 5) x 8	A. Associative property of addition B. Associative property of multiplication C. Additive identity D. Multiplicative identity
27	Question Image	A. Associative property of addition B. Associative property of multiplication C. Commutative property of addition D. Commutative property of multiplication
28	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
29	Name the property used in 4 + 9 = 9 + 4	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
30	Which of the following sets has closure property w.r.t. addition	A. { 0 } B. { 1 } C. { 0, -1} D. { 1, -1}