ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the resulting section is	A. an ellipse B. a circle C. a hyperbola D. a parabola
2	If E = { } , then P(E)	A. ⌀ B. { } C. {(2),(4),(6)....} D. (⌀)
3	If the roots of 3x2+kx + 12 = 0 are equal then k = _____	
4	The harmonic mean between a and b is	
5	A set having only one element is called	A. An empty set B. Universal set C. A singleton set D. A power set
6	A person standing on the bank of a river observes that the angle subtended by a tree of the opposite bank is 60°, when he retreats 40 m from the bank, he finds the angle to be 30°. The height of the tree and the breadth of the river are	
7	If Z = (1,2), then Z^{-1}= ?	A. (0.2, 0.4) B. (-0.2, 0.4) C. (0.2, -0.4) D. (-0.2, -0.4)
8	2.333....is a	A. Irrational no B. Complex no C. Rational no D. None of these
9	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
10	The sum of n terms of a series is denoted by	A. d B. n C. S_n D. a_n
11	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
12	If n is odd then the middle terms in the expansion of $(a + x)^n$are	
13	The range of inequality x + 2 > 4 is	A. (-1, 2) B. (-2, 2) C. (1,∞) D. None
14	Which of the following statement, is ture	A. Lahore is in Punjab and 5>7 B. Lahore is the capital of Pakistan and 3<23 C. Lahore is capital of Sindh and 2+2=7 D. Lahore is the capital of Sindh or 2+2 = 4
15	If a plane passes through the vertex of the cone, then the intersection is	A. an ellipse B. a parabola C. a hyperbola D. a point circle
		A. Principle of equality of fractions

16	Question Image	B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
17	Question Image	
18	If a,β are the roots of ax2+bx+c=0,the equation whose roots are doubled is	A. ay2 +2by+c=0 B. ay2+2by+4c=0 C. ay2+2by+c=0 D. ay2+by+4c=0
19	Domain of sin x is _____	
20	In the expansion of $(a + x)^n$the general term $T_{r+1}$is	