ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A relation a into B in which Domain is not equal to a, is called.	A. Into function B. on to function C. None of these D. Surjective
2	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is	A. an ellipse B. a circle C. a parabola D. a hyperbola
3	Question Image	A. 0 B. 1 C. 8 D. <i>∞</i>
4	Question Image	
5	If one root of the equation $ix^2 - 2(i + 1)x + (2 - i) = 0$ is $2 - i$, then the other root is	A. -i B. 2 + i C. i D. 2 - i
6	$\forall a,b,c \in R$, $a > b \land b > c \Rightarrow a > c$ is	A. Trichotomy property B. Transitive property C. Symmetric property D. Additive property
7	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis
8	In triangle ABC, in which b=95, c=34, a =52☐ then the value of a=	A. 18 cm B. 18.027 cm C. 20.7 cm D. 19 cm
9	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
10	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Equation C. Proper fraction D. Improper fraction
11	Question Image	
12	$\sin^{-1}(-x)=$	A. x B. -x C. $-\sin^{-1}x$ D. $\cos^{-1}x$
13	nC_{n-r} is equal to	A. n! B. $n-1C_r$ C. nC_r D. None of these
14	The in-centre of triangle whose vertices are (0,0), (5,12) and (16,12) is:	A. (9,7) B. (2,7) C. (9,2) D. (7,9)
15	Question Image	
16	The sample space for tossing a coin twice is	A. {H, T} B. {HH, HT, TH, TT} C. {H, T, HH}

		D. {HH, HT, TT}
17	for n€ N, 3^{2n+7} is divisible by	A. 7 B. 8 C. 9 D. 10
18	A function f from A to B can be written as	
19	Question Image	
20	The element range of sequence are called	A. Series B. progression C. Members D. Terms