

## ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	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)
2	Question Image	
3	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
4	Question Image	
5	If $x - 1$ is a factor of $x^4 - 5x^2 + 4$ then other factor is	A. $(x + 2)^2(x - 1)$ B. $(x + 2)(x - 1)^2$ C. $(x+2)(x^2 - x - 2)$ D. $(x + 2)^2(x - 1)^2$
6	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
7	Question Image	A. $1/x$ B. $-x$ C. $2x$ D. $0.5x$
8	$\sin[\cot^{-1}\{\cos(\tan^{-1}x)\}] =$	
9	Question Image	A. Addition B. Subtraction C. Multiplication D. None of these
10	In R, the additive inverse of a is	A. 0 B. 1 C. $-a$ D. $1/a$
11	Question Image	A. A B. B C. U D. None of these
12	Question Image	
13	$\{1, 2, 3, 4, \dots\}$ is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
14	The net of cartesian product $A \times B$ consists of	A. domain B. range C. binary relation D. ordered pair
15	an $-an-1, \forall n \in \mathbb{N} \wedge n > 1$ in an A.P is called	A. Common difference B. nth term C. Common ratio D. None of these
16	The law of sines can be used to solve oblique triangle when following information is given:	A. Two angles and a side B. Two sides and an angle opposite C. Two sides and the angle between two sided D. Option a and b
17	If there is one-one correspondence between A and B, then we write.	A. $A = B$ B. $A \subseteq B$ C. $A \supseteq B$ D. $A \sim B$

18 Question Image

19 Question Image

20 Question Image

- A. Rational fraction
- B. Proper fraction
- C. Improper rational fraction
- D. None of these