

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
2	The area of the rhombus whose vertices are A(0,0),B(2,1),C(3,3),D(1,2) is	A. 36 square units B. 3 square units C. 6 square units D. 18 square units
3	Question Image	A. $1/x$ B. $-x$ C. $2x$ D. $0.5x$
4	QUQ'	
5	Question Image	A. l3 B. $r\sqrt{3}$ C. r D. none
6	Question Image	
7	The set $\{Z \setminus \{0\}\}$ is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
8	If the matrices A and B have the order 1×10 and 10×1 then order of AB is	A. 1×1 B. 1×10 C. 10×10 D. 10×1
9	The law of sines is	
10	Question Image	
11	Question Image	B. A C. A' D. U
12	$2x = 3$ is a conditional equation it is true for	A. 2 B. 3 C. $3/2$ D. $2/3$
13	The sum of coefficients in the binomial expansion equals to	A. 2 B. 2^{n+1} C. 2^{n-1} D. 2^n
14	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
15	Question Image	A. A finite set B. An infinite set C. An empty set D. None of these
16	The roots of the equation $4x^2 - 3.2x + 32 = 0$ would include	A. 1 and 3 B. 1 and 4 C. 1 and 2 D. 2 and 3
17	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
18	If $a_1 = a_2 = 2$, $a_n = a_{n-1} - 1$ ($n > 2$), then a_5 is	A. 1 B. 0 C. -1

C. -1
D. -2

19

Question Image

A. square root function
B. identity function
C. linear function
D. quadratic function

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Domain of $2 \cos x$ is _____

A. $[-2, 2]$
B. \mathbb{R}
C. Negative real numbers
D. None of these