

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The points (0,-1), (2,1),(0,3) and (-2,1) are the corner of:	A. Square B. rhombus C. Parallelogram D. rectangel
2	The positive real number which is the measure of the length of a vector is called the	A. Unit vector B. Modulus C. Inverse D. None of these
3	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets
4	The domain of a finite sequence is a	A. Set of natural numbers B. R C. Subset of N D. Proper subset of N
5	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
6	Question Image	A. <i>π</i> B. <i>π</i> C. <i>π</i> D. <i>π</i>
7	The number of x-intercepts of $y = \sin x$ in his period	A. 0 B. 1 C. 2 D. 3
8	Question Image	
9	If $D = \{a\}$, the $P(D) =$	A. $\{a\}$ B. $\langle a \rangle$ C. $\{\emptyset, \{a\}\}$ D. $\{\emptyset, a\}$
10	The synthetic division method is only used to divide a polynomial by	A. quadratic equation B. binomial C. linear equation D. monomial

11 Which is the proper rational function

12 A. A.P.
B. G.P.
C. H.P.
D. None of these

13 A matrix with a single column is called A. Column matrix
B. Row matrix
C. Identity matrix
D. Null matrix

14 How many arrangements of the letters of the word ADDING can be made

15

16

17 The position vector of a point (x, y) in xy plane is D. none of these

18 For graphing a linear inequality, solid line is drawn if the inequality involves the symbols: A. $>$ or $<$;
B. \geq or \leq
C. $=$ or \neq
D. $=$ or $>$;

19 The physical quantity which possesses both magnitude and direction is called a A. scalar
B. vector
C. constant
D. none of these

20 A. 15
B. $15i$
C. $-15i$
D. -15