

ECAT Pre General Science Mathematics Chapter 24 Vectors Online Test

Sr	Questions	Answers Choice
1	[i,j,k]	A. 0 B. 2 C. 1 D2
2	Question Image	A. parallel vectors B. perpendicular vectors C. concurrent vectors D. collinear vectors
3	Three points whose position vector a,b,c are collinear	A. axb +b x c+ c x a = 0 B. a,b +b,c +c,a =0 C. a, a xc =0 D. a+b+c =0
4	Question Image	
5	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
6	The position vector of the point P(a, b, c) is	
7	Question Image	D. none of these
8	Question Image	D. none of these
9	If a force $F = 2i + j + 3k$ acts at point (1,-2,2) of a body then the moment of F about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
10	The unit vector along y-axis is	D. none of these
11	If Projvu = Projuv, then	A. Uand vare parallel B. u = v C. Uandvre perpendicular D. One ofuorv
12	Which of the following is a vector.	A. work B. time C. density D. electric field
13	Question Image	A. 0 B. 1 C1 D. None
14	If C is the mid point of AB and P is any point outside AB, then	
15	Question Image	
16	The unit vector along x-axis is	D. none of these
17	Question Image	D. none of these
18	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
19	Question Image	A. 25 B. 16 C. 5 D. 0
		В. 0