

ECAT Pre General Science Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	Question Image	
2	If a,b,c are sides of a triangle taken in order then $a \times b =$	A. $b \times c$ B. $b \times a$ C. $c \times a$ D. Both a & b
3	The unit vector along x-axis is	D. none of these
4	Question Image	
5	Question Image	
6	If a,b,c are unit vectors then $ a + b ^2 + a - b ^2$	A. 4 B. 8ab C. 9cos D. 4(a,b)
7	The unit vector along y-axis is	D. none of these
8	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors D. none of these
9	The zero vector is	A. [0, 0, 0] B. [1, 1, 1] C. [0, 1, 0] D. [0, 0, 1]
10	Question Image	
11	The direction cosines of y-axis are	A. 1, 0, 0 B. 0, 1, 0 C. 0, 0, 1 D. 1, 1, 1
12	Question Image	A. perpendicular vectors B. concurrent vectors C. parallel vectors D. none of these
13	Question Image	A. 1 B. 0
14	Question Image	
15	Question Image	
16	Question Image	D. none of these
17	Question Image	A. 0 B. 1 C. -1 D. None
18	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
19	Question Image	A. 0 B. 90° C. 180° D. 360°
20	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