

## ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Which of the following us a scalar	A. displacement B. velocity C. acceleration D. density
4	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
5	Which of the following is a vector	A. length B. momentum C. volume D. speed
6	Question Image	
7	Question Image	
8	Question Image	D. none of these
9	Question Image	
10	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
11	If C is the mid point of AB and P is any point outside AB, then	
12	Question Image	
13	Question Image	
14	Question Image	D. none of these
15	Question Image	A. 0 B. 1
16	Question Image	A. 1 B. 0
17	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
18	Question Image	A. 0 B. 1
19	If $ a \times b ^2 + (a \cdot b)^2 = \underline{\hspace{2cm}}$	A. $ a ^2 +  b ^2$ B. $ a ^2 -  b ^2$ C. $ a ^2 b ^2$ D. None
20	Question Image	A. parallel vectors B. perpendicular vectors C. concurrent vectors D. collinear vectors