

ECAT (Pre-Eng) Mathematics MCQ's Test For Chapter 24 Vectors

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. Free vector B. Null vector C. Unit vector D. None of these
3	Question Image	A. a ₁ + a ₂ B. a ² + a ₁ + a ² ₂
4	Question Image	
5	Question Image	
6	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
7	If a,b,c are unit vectors then a + b 2 + a - b 2	A. 4 B. 8ab C. 9cos D. 4(a,b)
8	Question Image	D. none of these
9	The position vector of the point P(a, b, c) is	
10	Question Image	
11	The physical quantity which possesses both magnitude and direction is called a	A. scalar B. vector C. constant D. none of these
12	Which of the vectors have opposite direction?	
13	The unit vector along x-axis is	D. none of these
14	Question Image	A. perpendicular vectors B. concurrent vectors C. parallel vectors D. none of these
15	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
16	Which of the following represents a vector	D. (x, y)
17	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
18	Question Image	A. 25 B. 16 C. 5 D. 0
19	For two vector a and b, a+b =	A. a b B. b+a C. b-a D. None
20	Which of the following is a vector.	A. energy B. force C. work D. power