

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

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 12 B. 6 C. 8 D. none of these
3	Question Image	A. 1 B. 0
4	Question Image	
5	Question Image	C. 0 D. 1
6	If the angle between two vectors with magnitude 6 and 2 is 60° when their scalar product is	A. 12 B. 6 C. 3 D. 0
7	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
8	The position vector of the point P(a, b, c) is	
9	Question Image	A. 25 B. 16 C. 5 D. 0
10	Question Image	A. a ₁ + a ₂ B. a ² ₁ + a ² ₂
11	Question Image	D. none of these
12	Question Image	
13	Question Image	A. \sup\2 \sup\+ m\sup\2</\sup\ n\sup\2</\sup\= 0 B. \sup\2</\sup\= 1 C. \sup\2</\sup\+ m\sup\2</\sup\ n\sup\2</\sup\+ m\sup\2</\sup\ 1 D. \sup\2</\sup\+ m\sup\2</\sup\ n\sup\2</\sup\= 1 D. \sup\2</\sup\+ m\sup\2</\sup\ n\sup\2</\sup\= 0</td
14	Question Image	A. 0 B. 90° C. 180° D. 360°
15	Question Image	
16	Question Image	
17	Question Image	
18	The number z so that the triangle with vertices A(1,-1,0),B(-2,2,1) and C(0,2,z) is a right triangle with right angle at vertex C	A. 1,2 B1,-2 C. 2,-1 D2,1
19	Question Image	
20	Which of the following is a vector.	A. work B. time C. density D. electric field