

ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	Which of the following is a vector.	A. energy B. force C. work D. power
3	Which of the following is a scalar.	A. force B. frequency C. weight D. acceleration
4	Which of the following is a scalar.	A. electric field B. magnetic field C. weight D. mass
5	The zero vector is	A. [0, 0, 0] B. [1, 1, 1] C. [0, 1, 0] D. [0, 0, 1]
6	Projection of vector u along v is	A. $ v \cos\theta$ B. $ u \cos\theta$ C. $ v \sin\theta$ D. $ u \sin\theta$
7	Unit vector in the positive direction of x-axis is	
8	<input type="text" value="Question Image"/>	
9	<input type="text" value="Question Image"/>	D. none of these
10	<input type="text" value="Question Image"/>	
11	<input type="text" value="Question Image"/>	D. none of these
12	<input type="text" value="Question Image"/>	A. Free vector B. Null vector C. Unit vector D. None of these
13	<input type="text" value="Question Image"/>	A. 0 B. 1 C. -1 D. None
14	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
15	<input type="text" value="Question Image"/>	D. none of these
16	<input type="text" value="Question Image"/>	
17	The unit vector along z-axis is	D. none of these
18	<input type="text" value="Question Image"/>	A. $a^2 + a^2$ B. $a^2 + a^2$ C. $a^2 + a^2$
19	<input type="text" value="Question Image"/>	
20	Which of the following us a scalar	A. displacement B. velocity C. acceleration D. density