

ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	C. 0 D. 1
2	<input type="text" value="Question Image"/>	D. none of these
3	<input type="text" value="Question Image"/>	A. parallel vectors B. perpendicular vectors C. concurrent vectors D. collinear vectors
4	<input type="text" value="Question Image"/>	
5	<input type="text" value="Question Image"/>	D. none of these
6	If a,b,c are three non-coplanar vector then $[a +b, b +c, c +a] = \underline{\hspace{2cm}}$	A. [a.b.c] B. 2[a,b,c] C. [abc]-2 D. 2[abc]2
7	Which of the following is a vector	A. length B. momentum C. volume D. speed
8	The direction cosines of y-axis are	A. 1, 0, 0 B. 0, 1, 0 C. 0, 0, 1 D. 1, 1, 1
9	If $\text{Proj}_u v = \text{Proj}_v u$, then	A. U and v are parallel B. $ u = v $ C. U and v are perpendicular D. One of u or v
10	<input type="text" value="Question Image"/>	A. A B. 0 C. Unit vector D. None
11	<input type="text" value="Question Image"/>	
12	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 B. -1,-2 C. 2,-1 D. -2,1
13	<input type="text" value="Question Image"/>	A. 1 B. 0
14	<input type="text" value="Question Image"/>	D. none of these
15	Which of the following is a scalar	A. displacement B. velocity C. acceleration D. density
16	The zero vector is	A. [0, 0, 0] B. [1, 1, 1] C. [0, 1, 0] D. [0, 0, 1]
17	<input type="text" value="Question Image"/>	D. none of these
18	<input type="text" value="Question Image"/>	
19	<input type="text" value="Question Image"/>	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
20	<input type="text" value="Question Image"/>	