

ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	A. 0 B. 1
2	<input type="text" value="Question Image"/>	C. 0 D. 1
3	<input type="text" value="Question Image"/>	
4	<input type="text" value="Question Image"/>	D. none of these
5	The angle between the vectors $3i + j - k$ and $2i - j + k$ is	
6	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
7	<input type="text" value="Question Image"/>	
8	<input type="text" value="Question Image"/>	D. none of these
9	The null vector is regarded to be perpendicular to	A. Every vector B. In some cases C. Both a b D. None
10	Which of the following is a vector.	A. energy B. force C. work D. power
11	<input type="text" value="Question Image"/>	
12	If $\text{Proj}_v u = \text{Proj}_u v$, then	A. U and v are parallel B. $ u = v $ C. U and v are perpendicular D. One of u or v
13	<input type="text" value="Question Image"/>	A. A, B, C are coincident B. A, B, C are collinear C. Both A and B D. None of these
14	<input type="text" value="Question Image"/>	A. 0 B. 90° C. 180° D. 360°
15	If $ ai + (a+1)j + 2k = 3$ then value of a is	A. 1,2 B. -1,-2 C. 1,-2 D. -1,2
16	For two vector a and b, $a+b =$ _____	A. a b B. b+a C. b-a D. None
17	<input type="text" value="Question Image"/>	D. none of these
18	Unit vector in the positive direction of x-axis is	
19	The direction cosines of y-axis are	A. 1, 0, 0 B. 0, 1, 0 C. 0, 0, 1 D. 1, 1, 1
20	<input type="text" value="Question Image"/>	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]