

ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	Which of the following is a vector.	A. work B. time C. density D. electric field
2	Question Image	
3	The direction cosines of y-axis are	A. 1, 0, 0 B. 0, 1, 0 C. 0, 0, 1 D. 1, 1, 1
4	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
5	Question Image	
6	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
7	Question Image	D. none of these
8	Question Image	
9	Question Image	A. 0 B. 1 C. -1 D. None
10	Which of the following is a scalar	A. weight B. force C. speed D. momentum
11	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
12	The unit vector along z-axis is	D. none of these
13	Question Image	
14	Question Image	
15	Question Image	
16	Question Image	
17	Question Image	
18	Unit vector in the positive direction of x-axis is	
19	Question Image	
20	Question Image	D. none of these