

ECAT Pre General Science Mathematics Chapter 24 Vectors Online Test

Sr	Questions	Answers Choice
1	If Projvu = Projuv, then	A. Uand vare parallel B. u = v C. Uandvre perpendicular D. One ofuorv
2	Question Image	
3	Question Image	D. none of these
4	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
5	The position vector of the point P(a, b, c) is	
6	If $ \alpha + (\alpha+1)j + 2k = 3$ then value of α is	A. 1,2 B1,-2 C. 1,-2 D1,2
7	Question Image	
8	If 2 and 2 are x and y components of vector then its angle with x-axis is	A. 30 ° B. 45 ° C. 60 ° D. 90 °
9	If the angle between two vectors with magnitude 2 and 15 is 30°then their scalar product is	B. 15 C. 30
10	Question Image	D. none of these
11	Question Image	D. none of these
12	Question Image	A. a ₁ + a ₂ B. a ² ₁ + a ² ₂
13	Question Image	D. none of these
14	Question Image	
15	If θ be angle between u,v and u,v determine the sides of a triangle then the third side opposite to angle θ has length	A. u+v B. u + v C. u-v D. u - v
16	Which of the following is a scalar	A. weight B. force C. speed D. momentum
17	Question Image	A. parallel vectors B. perpendicular vectors C. concurrent vectors D. collinear vectors
18	Question Image	
19	Question Image	D. none of these
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