

## ECAT Pre General Science Mathematics Chapter 24 Vectors Online Test

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<ul> <li>3 Que</li> <li>4 Que</li> <li>5 Que</li> <li>6 Que</li> <li>7 Que</li> <li>8 The</li> <li>9 A ve</li> <li>10 Que</li> <li>11 3j.k</li> <li>12 Que</li> </ul>	estion Image  estion Image  estion Image  estion Image  estion Image  ephysical quantity which can be specified by a number alongwith unit is called a	B. 1 D. none of these  A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]  D. none of these  C. 0 D. 1  A. scalar B. vector C. constant D. none of these  A. constant vector B. unit vector
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11 3j. k		C. zero vector D. null vector
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	kxi	A. 0 B. 1 C. 3 D. 9
12 Oue	estion Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
13 Que	estion Image	
14 The trian	e number z so that the triangle with vertices $A(1,-1,0),B(-2,2,1)$ and $C(0,2,z)$ is a right angle with right angle at vertex $C$	A. 1,2 B1,-2 C. 2,-1 D2,1
15 Whic	nich of the following is not a unit vector	A. [1, 1, 1] B. [0, 1, 0] C. [0, 0, 1] D. [1, 0, 0]
16 If the	ne angle between two vectors with magnitude 2 and 15 is 30°then their scalar product is	B. 15 C. 30
17 Que	estion Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
18 Que	estion Image	
19 The		A. 36 square units B. 3 square units C. 6 square units
20 Que	e area of the rhombus whose vertices are A(0,0),B(2,1),C(3,3),D(1,2) is	D. 18 square units