

ECAT Pre General Science Mathematics Chapter 24 Vectors Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 12 B. 6 C. 8 D. none of these
3	If the angle between two vectors with magnitude 2 and 15 is 30°then their scalar product is	B. 15 C. 30
4	Question Image	
5	The zero vector is regarded to be parallel to	A. Every vector B. Is some cases C. Both a,b D. None
6	Question Image	A. 25 B. 16 C. 5 D. 0
7	Unit vector in the positive direction of x-axis is	
8	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. None of these
9	Question Image	
10	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these
11	Question Image	D. none of these
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 B1,-2 C. 2,-1 D2,1
13	Question Image	D. none of these
14	Which of the following is a scalar.	A. electric field B. magnetic field C. weight D. mass
15	Question Image	
16	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors D. none of these
17	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
18	Question Image	
19	Question Image	A. 1 B. 0
20	Question Image	C. 0 D. 1