ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	Question Image	A. 0 B. 1 C. -1 D. None
3	The angle between the vectors 3i + j - k and 2i - j + k is	
4	If uv= Projuv then	A. Uandvare parallel B. vis a unit vector C. Uis a unit vector D. Both b and c
5	Question Image	
6	Question Image	
7	If a force F = 2i + j +3k acts at point (1,-2,2) of a body then the moment of F about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
8	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|
9	Question Image	
10	Question Image	
11	Question Image	
12	The zero vector is regarded to be parallel to	A. Every vector B. Is some cases C. Both a,b D. None
13	The direction cosines of y-axis are	A. 1, 0, 0 B. 0, 1, 0 C. 0, 0, 1 D. 1, 1, 1
14	The unit vector along y-axis is	D. none of these
15	Question Image	D. none of these
16	Question Image	D. none of these
17	Which of the vectors have opposite direction?	
18	Question Image	
19	Question Image	
20	The position vector of any point in space is	