ECAT (Pre-Eng) Mathematics Chapter 24 Vectors

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 0 B. 1 C. -1 D. None
3	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
4	Question Image	D. none of these
5	Question Image	
6	Question Image	
7	Question Image	
8	Which of the following does not represent absolute value of a vector	A. magnitude B. length C. norm D. number
9	Question Image	
10	The ortho center of triangle whose vertices are (0,0)(3,0)(0,4) is	A. (0,0) B. (1,1) C. (2,2) D. (3,3)
11	Question Image	
12	If uv= Projuv then	A. Uandvare parallel B. vis a unit vector C. Uis a unit vector D. Both b and c
13	If a,b,c are unit vectors then |a + b|2 +|a - b|2	A. 4 B. 8ab C. 9cos D. 4(a,b)
14	Question Image	
15	Question Image	
16	Question Image	
17	The area of the rhombus whose vertices are A(0,0),B(2,1),C(3,3),D(1,2) is	A. 36 square units B. 3 square units C. 6 square units D. 18 square units
18	If a,b,c are three non-coplanar vector then [a +b,b +c,c +a] = _____	A. [a.b.c] B. 2[a,b,c] C. [abc]-2 D. 2[abc]2
19	The unit vector along z-axis is	D. none of these
20	Question Image	