FSC Part 2 Mathematics Chapter 7 Online Test

Sr	Questions	Answers Choice
1	Question Image	B. 0
2	Question Image	A. 0 B. 1 C. -1 D. 2
3	Question Image	A. 2 - 7 B. 2 + 7
4	Question Image	A. 1 B. 2 C. 3 D. 0
5	Question Image	A. Scalar quantity D. Reciprocal vector
6	Question Image	A. Position vector of O B. Position vector of P C. Unit vector D. Null vector
7	Question Image	A. 0 B. 2 C. 3 D. 1
8	Zero vector is perpendicular to:	A. Every vector B. Unit vector only C. Position vector only D. Not any vector
9	Question Image	A. Unit vector B. Null vector C. Position vector D. None of these
10	Question Image	A. Unit Vector B. Null vector C. Position vector D. None of these
11	Question Image	A. 60° B. 90° C. 30° D. 45°
12	Two vectors are equal if they:	A. Pass through the same point B. Are parallel to each other C. Are parallel to each other and have same direction D. Have equal magnitude and have same direction
13	$i.(j.k) =$	A. Meaningless B. -1 C. 1 D. 2
14	Question Image	A. a B. b C. c D. a + b
15	Question Image	A. 0 B. 2 C. 3 D. 1
16	Which are the following triples can be direction angles of a single vector:	A. 45°,45°,60° B. 30°,45°,60° C. 45°,60°,60° D. 30°,30°,30°

17	Question Image	A. [0] B. [0, 0] C. [0, 0, 0] D. None of these
18	Which of the following is a vector quantity ?	A. Work B. Temperature C. Distance D. Displacement
19	Question Image	
20	Question Image	A. Free vector B. Unit vector C. Null vector D. None of these
21	Question Image	A. 0
22	Question Image	A. 1 B. 0
23	Question Image	A. x - axis B. z - axis C. y - axis D. None of these
24	Question Image	A. 0 B. 1 C. -1 D. 2
25	Question Image	C. 28 D. 29
26	Question Image	A. 90° B. 30° C. 60° D. 0°
27	A null vector is defined as a vector whose magnitude is:	A. 1 B. 2 C. 0 D. None of these
28	Which of the following is not a vector quantity ?	A. Weight B. Mass C. Force D. Velocity
29	Question Image	A. Unit vector B. Null vector C. Free vector D. None of these
30	Question Image	A. 3 B. 4 C. 5 D. 6
31	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C. -1 D. 2
32	Question Image	A. Position vector B. Null vector C. Unit vector D. None of these
33	Question Image	A. 0 B. 1 C. -1 D. 2
34	Question Image	C. 0 D. 1
35	Question Image	A. Scalar B. Free vector C. Unit vector D. Null vector
36	The cross product or vector product of two vectors is defined:	A. Only in plane B. Only in space C. Both a and b D. None of these

37	Question Image	A. Volume of the tetrahedron B. Volume of the parallelepiped C. Volume of the triangle D. None of these
38	Question Image	A. 0 B. -1 C. 1 D. 2
39	A scalar quantity is one that possesses only :	A. Magnitude B. Direction C. Both a and b D. None of these
40	The law of parallelogram of addition was used by Aristotle to describe the combined action of :	A. One force B. Two forces C. Three forces D. Four forces
41	If 2 and 2 are x and y-components of a vector, then its angle with x-axis is:	A. 30° B. 45° C. 60° D. 90°
42	A unit vector is defined as a vector whose magnitude is:	A. 0 B. 2 C. 1 D. 4