

FSC Part 2 Mathematics Chapter 7 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Volume of the tetrahedron B. Volume of the parallelepiped C. Volume of the triangle D. None of these
2	$i \cdot (j \cdot k) =$	A. Meaningless B. -1 C. 1 D. 2
3	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C. -1 D. 2
4	Question Image	A. 90° B. 30° C. 60° D. 0°
5	Question Image	A. 0 B. 1 C. -1 D. 2
6	Question Image	A. 1 B. 0
7	Question Image	C. 0 D. 1
8	Question Image	B. 0
9	Question Image	A. 0
10	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
11	Question Image	A. 0 B. 1 C. -1 D. 2
12	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°
13	Question Image	A. 60° B. 90° C. 30° D. 45°
14	Question Image	A. a B. b C. c D. a + b
15	Question Image	A. 0 B. 2 C. 3 D. 1
16	Question Image	A. 0 B. 1 C. -1 D. 2
17	Question Image	A. 1 B. 2 C. 3 D. 0

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- A. 0
- B. 2
- C. 3
- D. 1

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Which are the following triples can be direction angles of a single vector:

- A. $45^\circ, 45^\circ, 60^\circ$
- B. $30^\circ, 45^\circ, 60^\circ$
- C. $45^\circ, 60^\circ, 60^\circ$
- D. $30^\circ, 30^\circ, 30^\circ$

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- A. Unit vector
- B. Null vector
- C. Position vector
- D. None of these