

FA Part 2 Mathematics Chapter 7 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Unit vector B. Null vector C. Free vector D. None of these
2	Question Image	A. 3 B. 4 C. 5 D. 6
3	Which of the following is a vector quantity ?	A. Work B. Temperature C. Distance D. Displacement
4	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
5	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. $30^\circ, 30^\circ, 30^\circ$
6	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
7	Question Image	A. 0 B. 2 C. 3 D. 1
8	Question Image	A. Unit Vector B. Null vector C. Position vector D. None of these
9	Question Image	A. 60° B. 90° C. 30° D. 45°
10	Question Image	A. 1 B. 0
11	Question Image	A. 0 B. 1 C. -1 D. 2
12	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C. -1 D. 2
13	Question Image	B. 0
14	Question Image	A. Unit vector B. Null vector C. Position vector D. None of these
15	Question Image	A. 0
16	Zero vector is perpendicular to:	A. Every vector B. Unit vector only C. Position vector only D. Not any vector
17	Question Image	A. Position vector of O B. Position vector of P C. Unit vector

C. Unit vector
D. Null vector

18

Question Image

A. x - axis
B. z - axis
C. y - axis
D. None of these

19

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

20

Which of the following is not a vector quantity ?

A. Weight
B. Mass
C. Force
D. Velocity