

## FA Part 2 Mathematics Chapter 7 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Free vector B. Unit vector C. Null vector D. None of these
2	Question Image	A. Scalar B. Free vector C. Unit vector D. Null vector
3	Question Image	A. 0 B. 1 C. -1 D. 2
4	Which of the following is a vector quantity ?	A. Work B. Temperature C. Distance D. Displacement
5	If 2 and 2 are x and y-components of a vector, then its angle with x-axis is:	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $90^\circ$
6	Question Image	A. [0] B. [0, 0] C. [0, 0, 0] D. None of these
7	Question Image	A. 3 B. 4 C. 5 D. 6
8	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
9	Question Image	A. Scalar quantity D. Reciprocal vector
10	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
11	Zero vector is perpendicular to:	A. Every vector B. Unit vector only C. Position vector only D. Not any vector
12	A scalar quantity is one that possesses only :	A. Magnitude B. Direction C. Both a and b D. None of these
13	Question Image	A. x - axis B. z - axis C. y - axis D. None of these
14	Question Image	A. $90^\circ$ B. $30^\circ$ C. $60^\circ$ D. $0^\circ$
15	Question Image	A. a B. b C. c D. a + b

16	Question Image	C. 0 D. 1
17	Question Image	A. 1 B. 0
18	Question Image	A. 0 B. 1 C. -1 D. 2
19	Question Image	B. 0
20	Question Image	A. 2 - 7 B. 2 + 7