

## Ics Part 2 Mathematics Chapter 7 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Scalar B. Free vector C. Unit vector D. Null vector
2	Question Image	A. 0
3	Question Image	A. Position vector B. Null vector C. Unit vector D. None of these
4	Question Image	A. a B. b C. c D. a + b
5	Question Image	A. 1 B. 2 C. 3 D. 0
6	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. $30^\circ, 30^\circ, 30^\circ$
7	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. $90^\circ$
8	A scalar quantity is one that possesses only :	A. Magnitude B. Direction C. Both a and b D. None of these
9	Question Image	A. Position vector of O B. Position vector of P C. Unit vector D. Null vector
10	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
11	Question Image	A. Unit vector B. Null vector C. Free vector D. None of these
12	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
13	Question Image	A. $2 - 7$ B. $2 + 7$
14	Question Image	C. 0 D. 1
15	A null vector is defined as a vector whose magnitude is:	A. 1 B. 2 C. 0 D. None of these
16	Question Image	A. 0 B. 1 C. -1 D. 2  A. Weight B. Gravity C. Force D. Mass

17 Which of the following is not a vector quantity ?

- B. Mass
- C. Force
- D. Velocity

18 Question Image

- A. Volume of the tetrahedron
- B. Volume of the parallelepiped
- C. Volume of the triangle
- D. None of these

19 Question Image

- A. 3
- B. 4
- C. 5
- D. 6

20 If any two vectors of scalar triple product are equal, then its value is equal to:

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