

Ics Part 2 Mathematics Chapter 7 Test Online

| Sr | Questions | Answers Choice |
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| 1 | Zero vector is perpendicular to: | A. Every vector B. Unit vector only C. Position vector only D. Not any vector |
| 2 | Which of the following is not a vector quantity ? | A. Weight B. Mass C. Force D. Velocity |
| 3 | Question Image | A. Unit vector B. Null vector C. Position vector D. None of these |
| 4 | Question Image | A. 0 |
| 5 | A unit vector is defined as a vector whose magnitude is: | A. 0 B. 2 C. 1 D. 4 |
| 6 | Question Image | A. Volume of the tetrahedron B. Volume of the parallelepiped C. Volume of the triangle D. None of these |
| 7 | $i \cdot (j \cdot k) =$ | A. Meaningless B. -1 C. 1 D. 2 |
| 8 | Question Image | A. [0] B. [0, 0] C. [0, 0, 0] D. None of these |
| 9 | A scalar quantity is one that possesses only : | A. Magnitude B. Direction C. Both a and b D. None of these |
| 10 | Question Image | A. $2 - 7$ B. $2 + 7$ |
| 11 | If any two vectors of scalar triple product are equal, then its value is equal to: | A. 0 B. 1 C. -1 D. 2 |
| 12 | Question Image | A. 0 B. 1 C. -1 D. 2 |
| 13 | 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° |
| 14 | Question Image | A. a B. b C. c D. a + b |
| 15 | Question Image | A. 0 B. -1 C. 1 D. 2 |
| 16 | A null vector is defined as a vector whose magnitude is: | A. 1 B. 2 C. 0 D. None of these |

17 Question Image B. 0

18 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

19 Question Image A. Position vector of O
B. Position vector of P
C. Unit vector
D. Null vector

20 Question Image A. Scalar
B. Free vector
C. Unit vector
D. Null vector