(EPC02-NE-01E)

- A vector whose magnitude is one is known as
 - A) A free vector
 - B) A unit vector
 - C) Position vector
 - D) A null vector

(EPC02-NE-02E)

- If a vector is divided by its magnitude, we get
 - A) A unit vector
 - B) A null vector
 - C) Position vector
 - D) A free vector

(EPC02-NE-03E)

- A vector which can be displaced parallel to itself and applied at any point, is known as
 - A) A null vector
 - B) A unit vector
 - C) Position vector
 - D) A free vector

(EPC02-NE-04E)

- Negative vector –A as compared with vector A has
 - A) Same magnitude
 - B) Opposite direction
 - C) Same direction
 - D) Both A & B







(EPC02-NE-05M)

If the resultant of two vectors each of magnitudes F is also of magnitude F, the angle between them will

be

- A) 90⁰
- B) 60°
- C) 30°
- D) 120⁰

(EPC02-NE-06E)

- The resultant of two forces of 3N and 4N making an angle 900 with each other is
 - A) 1N
 - B) 7N
 - C) 5N
 - D) 10N

(EPC02-NE-07E)

- The angle between two rectangular components of any vector in
 - A) 90°
 - B) 60⁰
 - C) 30°
 - D) 120⁰

(EPC02-NE-08M)

- If |A + B| = |A-B| the angle between the vectors is
 - A) 0^{0}
 - B) 45⁰
 - C) 60°
 - D) 90°







(EPC02-NE-09E)

- A force of magnitude 30N, making an angle of 60° with x-axis, its X component will be,
 - A) 7N
 - B) 15N
 - C) 5N
 - D) 10N

(EPC02-NE-10E)

- The direction of the vector A when X and Y components are given
 - A) $\theta = \tan^{-1}(A_y/A_x)$
 - B) $\theta = \tan^{-1}(A_x/A_y)$
 - C) $\theta = \tan^{-1}(X/Y)$
 - D) None of these

(EPC02-NE-11M)

- The property A.B = B.A in Scalar product is called
 - A) Commutative property
 - B) Associative property
 - C) Multiplication inverse
 - D) Additive inverse

(EPC02-NE-12M)

- Which of the following is correct
 - A) i.j=k
 - B) i.j=1
 - C) i.j=0
 - D) i.j=i





(EPC02-NE-13E)

- The Scalar product of vectors A = 2i + 5k and B = 3j + 4k is
 - A) 26
 - B) 23
 - C) 15
 - D) 20

(EPC02-NE-14M)

- The angle between the two vectors -2i + 3j + k and i + 2j 4k is
 - A) 0^{0}
 - B) 90⁰
 - C) 180⁰
 - D) None of the above

(EPC02-NE-15E)

- Which of the following is true
 - A) $A \times B = B \times A$
 - B) $A \times B = -B \times A$
 - C) $A \times B = C \times B$
 - D) $A \times B = C \times A$











	A	
Answer key		
1	В	
2	A	
3	D	
4	D	
5	D	
6	С	
7	A	
8	D	
9	В	
10	A	
11	A	
12	C	
13	D	
PARIAO AI	JR B	
15	В	

