













## QUESTION NO 10:-

A? = 2i - 3j + 5k

Angle b/w A and x-axis.

A. x = 
$$|A| co, \theta$$

2: -3j + 5k i =  $\sqrt{(2)^{2}+(-3)^{2}+(5)^{2}}$  co,  $\theta$ 

2 = 130 co,  $\theta$ 

0 =  $\cos^{-1}(2)$ 

Angle b/- A' and y-axis.

A. y =  $|A| \cos^{-1}(2)$ 

2: -3j + 5k i =  $\sqrt{30} \cos^{-1}(2)$ 

130

0 =  $\cos^{-1}(2)$ 

Angle b/- A' and y-axis.

A. y =  $|A| \cos^{-1}(2)$ 

130

0 =  $\cos^{-1}(2)$ 

Angle b/- A and 3-axis.

A. 3 =  $|A| \cos^{-1}(2)$ 

130

0 =  $\cos^{-1}(2)$ 

5 =  $\cos^{-1}(2)$