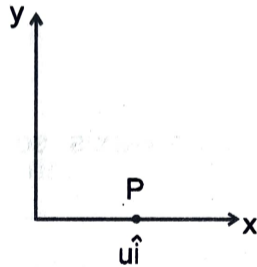A particle of mass m starts moving from origin with a constant velocity $u\hat{i}$ find out its angular momentum about origin at this moment. What will be the answer later on? What will be the answer if the speed increases.

Solution :

$$\vec{L} = \vec{r} \times \vec{p}$$

$$\vec{L} = r\hat{i} \times mu\hat{i} = 0$$