Remember

① $\vec{\tau} = \vec{r} \times \vec{F}$

② $\vec{\tau}$ is always $\perp^{rd}$ to $\vec{r}$ and $\vec{F}$.

③ $\vec{L} = \vec{r} \times \vec{p}$, $\vec{p} = m\vec{v}$

★ ④ $\frac{d\vec{L}}{dt} = \vec{r} \times \vec{F} = \vec{\tau}$

Similar to, $\frac{d\vec{p}}{dt} = \vec{F}$

★ ⑤ Angular momentum of a particle moving with constant velocity is always constant w.r.t any fixed point in space.

⑥ In statement based Q, don't forget that both τ & L have direction.