



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**Q1. What is the formula for the reaction at a support of a simply supported beam with a uniform load?**

- A.  $WL/2$
- B.  $WL/4$
- C.  $W$
- D.  $0$

*Solution: The reaction at each support of a simply supported beam with a uniform load ( $W$ ) is given by  $R = WL/2$ .*

**Q2. For a simply supported beam with a length  $L$  and a point load  $P$  at a distance  $a$  from the left support, what is the reaction at the left support?**

- A.  $P(L-a)/L$
- B.  $P/2$
- C.  $Pa/L$
- D.  $P(L+a)/L$

*Solution: The reaction at the left support ( $R_A$ ) is given by  $R_A = P(L-a)/L$ .*



