SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

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.

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