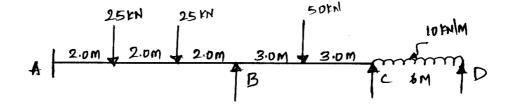


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UNIT - V

- 9 a. Explain plastic analysis of continous Beams.
- b. Detrmine the plastic moment for a continous beam of unifom cross section as shown below. The load factor is 1.70.



10. A roof hall mcosuning 6 m \times 13.7 m consists of 120 mm thick RCC slab supporting on a steel I-section spaced @3.5 m C/C. The hall is having wall of 30 cm thick all around. The finishing load on the roof is 1 kN/m² and LL is 2 kN/m². Design steel beam and apply all necessary check for the design. Assume width of bearing as 75 mm.

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