CE8502 Structural Analysis-I

Important 2-Mark Questions

Part-A

1. Differentiate determinate and indeterminate of structure.
2. Differentiate static and kinematic indeterminacy of structure.
3. What is equilibrium condition?
4. State slope deflection method.
5. What is slope deflection equation?
6. Define fixed beam?
7. Define moment distribution method?
8. Give the fixed end moment for the beam shown in fig?
9. Explain the moment at a hinged end of a simple beam?
10. Write down the slope deflection equation for fixed end support?
11. Give the relative stiffness when the far end is (a) Simply supported and (b) Fixed
12. How the redundancy of a rigid frame is calculated?
13. Explain carry over factor and distribution factor?
14. What is relative stiffness?
15. Define stiffness