

Structural Analysis MCQ Questions & Answers Pdf

1. The systematic development of slope deflection method in the matrix form is known as to

- a. stiffness matrix method
- b. displacement matrix method
- c. equilibrium method
- d. all the above

Ans: D

2. The moment which makes all the fibres at the section to yield is known as

- a. flexural rigidity
- b. moment of resistance
- c. plastic moment capacity
- d. yield moment

Ans: C

3. The shape factor of a rectangular section is

- a. 1.0
- b. 1.5
- c. 2.0
- d. 3.6

Ans: B

4. The shape factor of a diamond shaped section for bending about its diametral axis is

- a. 1.2
- b. 1.5
- c. 2.0
- d. none of the above

Ans: C

5.. Which one of the following is wrong with respect to strain energy method for finding deflection?

- a. Structure should be subjected to a single concentrated load
- b. Deflection can be found only at the loaded point
- c. Deflection can be found only in direction of load
- d. Deflection can be found at any point in desired direction

Ans: D

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