CE8301 STRENGTH OF MATERIALS-I

Important 2 Mark Questions

Part-A

1. Define stress.
2. Define strain.
3. Give the Relationship b/w Bulk modulus and Youngs modulus.
4. How to classify the beams according to its supports?
5. What is a Cantilever beam?
6. What is a closed coil spring?
7. What are the methods to find slop and deflection of a beam?
8. What is composite shaft?
9. What do you mean by shear?
10. Give two assumption in the theory of pure torsion.
11. State the two analytical methods for finding out the forces in the members of a perfect frame.
12. What is perfect frame?
13. Give two assumption made while finding out the forces in various members of a frame.
14. What are the types of frame?
15. Define perfect and imperfect frame.
16. Explain the principle of Super position? And explain its uses.
17. Define working stress & allowable stress.
18. Explain Mohr's circle and its uses.
19. What do you mean by point of contraflexure?
20. What is meant by moment of resistance of a beam?
21. What is a spring?
22. Explain any two functions of springs.
23. What is Deficient frame and redundant frame.
24. Define perfect and imperfect frame.
25. Define the Methods of sections and Method of joints?
26. Advantages of space trusses.
27. Uses of space trusses.