

## **CE8601 DESIGN OF STEEL STRUCTURAL ELEMENTS**

### **Important 2-Mark Questions**

#### **Part-A**

1. List out the various types of loads to be considered in the design of steel structures as per IS 875-1987.
2. What is the limitation of working stress method?
3. Explain allowable stress design.
4. Define the terms gauge, pitch, edge and end distance of bolt joint.
5. Define the efficiency of the joint
6. Give some examples of tension members.
7. What is meant by shear lag?
8. What is net sectional area?
9. What is meant by a slender section?
10. State the possible failure modes in an axially loaded column.
11. Define slenderness ratio.
12. What are the different ways by which a compression member buckles?
13. What are the assumptions made in Euler's analysis?
14. What is meant by a slender section?
15. State the possible failure modes in an axially loaded column.
16. What is meant by short strut?
17. Evaluate the effective length of column based on end conditions.
18. State the possible failure modes in an axially loaded column.