

RE VERA INSTITUTE OF TECHNOLOGY

CIVIL DEPARTMENT

ASSIGNMENT NO- 1

SUBJECT-D.S.S

CLASS-T.Y (A)

- 1)** State six advantages and two disadvantages of steel as a construction material.
- 2)** Write the full form of ISA, ISWB, ISNT, ISLC.
- 3)** Draw sketch of unequal and channel section.
- 4)** What are the types of loads to be considered while designing the steel structures?
- 5)** Write the types of grade of steel with their character.
- 6)** Sketch ISWB 300 & ISMC 350, with full form.
- 7)** Define:
 - a) importance factor
 - b) zone factor
 - c) response reduction factor and
 - d) Fundamental natural period.
- 8)** State use of steel table and IS code.
- 9)** Draw and explain stress strain graph for mild steel.
- 10)** Define Limit state and state different types of limit states.