- It is required to design the shown intermediate frame for the following data:
- Breadth of the frame (b) = 30 cm
- Material used are concrete C250 and St 36/52

Required:

- 1. Maximum internal forces (N.F., S.F., and B.M.D^s).
- 2. Dimensioning of different parts of the frame.
- 3. Check shear stresses and calculate diagonal tension.
- 4. Draw to scale 1:25 sectional elevation showing the details of reinforcement as well as sufficient cross sections.

