STRUCTURAL ANALYSIS-I

Assignment : 1 FUNDAMENTALS

1.DEFINATIONS: -
- DETERMINATION STRUCTURE
- INDETERMINATION STRUCTURE
- STRUCTURE
- DEGREE OF STATIC INDETERMINANCY (Ds)

2.Diffrenciate between Statically Determinate and Indeterminate Structures?

3.Advatage and Disadvantages of Indeterminate Structures.

4. Degree of Redundancy of Beam.

5. Degree of Redundancy of Plane Trusses
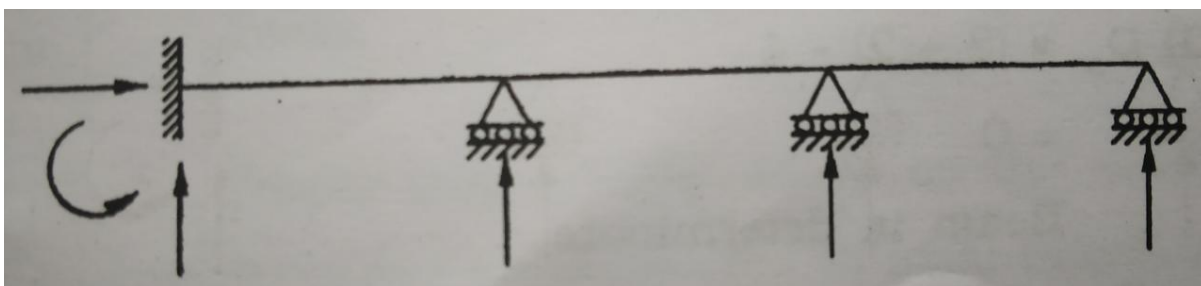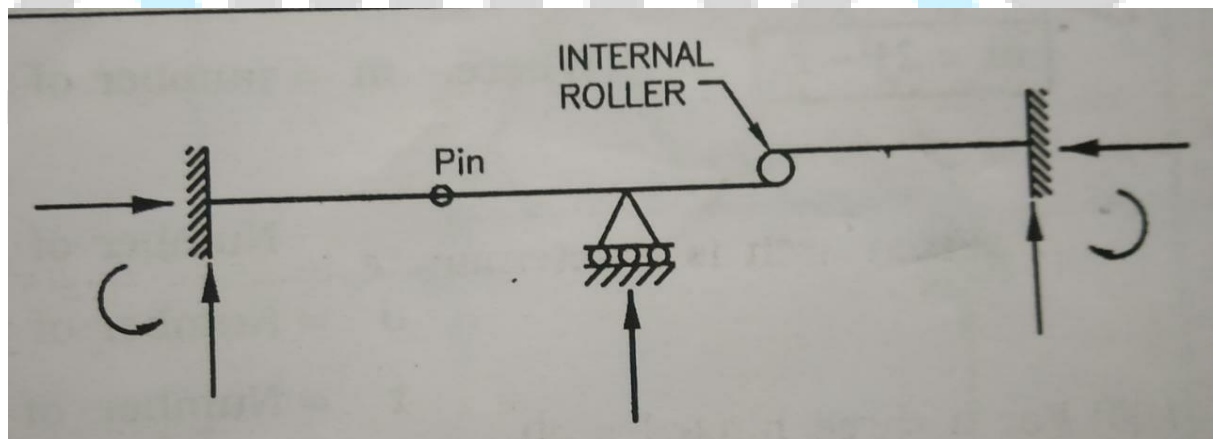
6. Degree of Redundancy of Plane Frames

7. Degree of Redundancy of Grids
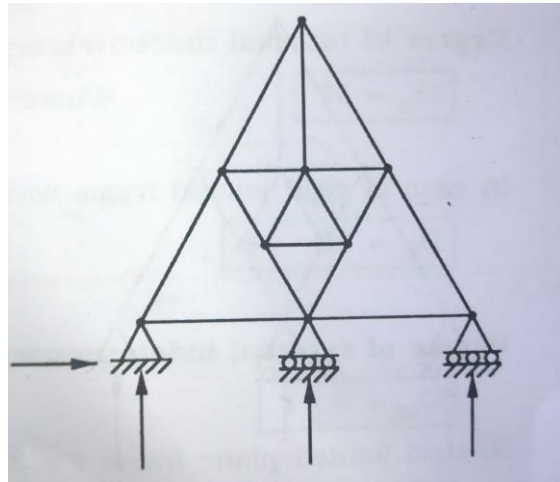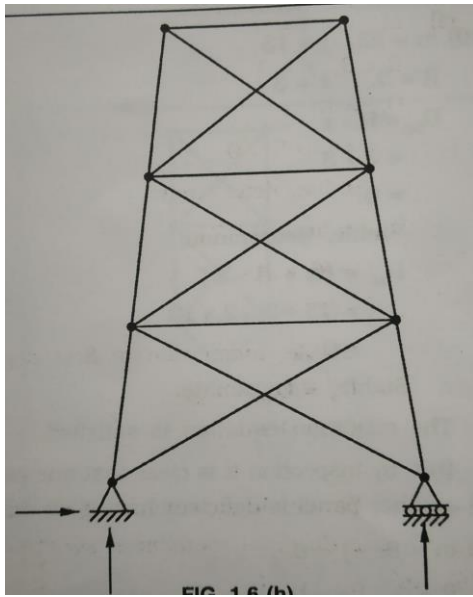
8. Degree of Redundancy of Space Truss

9. Degree of Redundancy of Space Frame

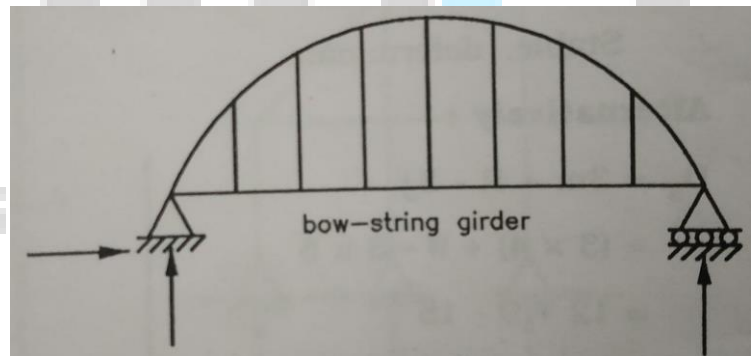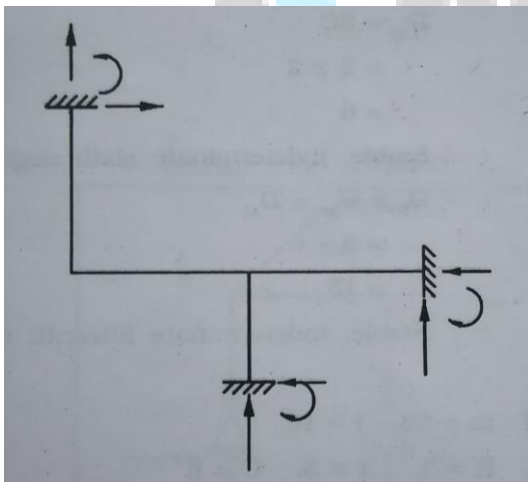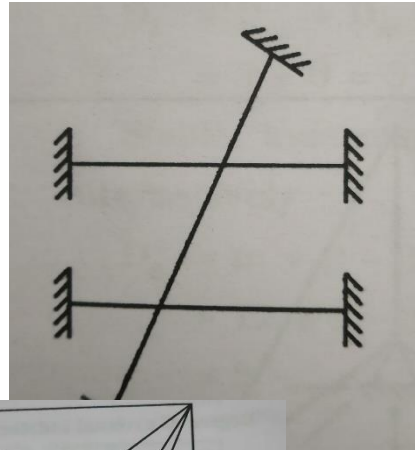10. Degree of Kinematic Indeterminacy of all Structure.
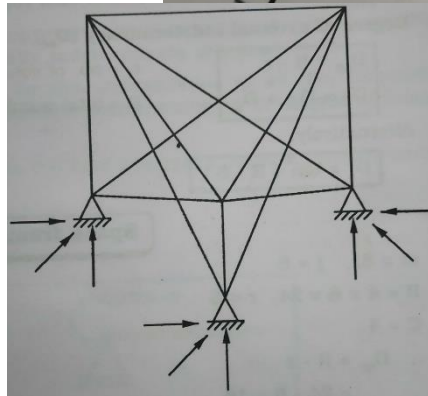
11.Example of SI of Beam

12. Example of SI of Plane trusses.

FIG. 1.6 (b)

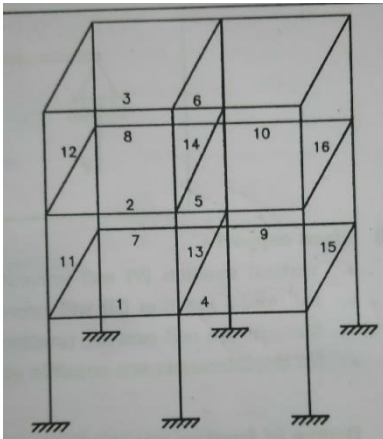13. Example of SI of Plane Frame

bow-string girder

14. Example of SI of Grid.

15. Example of SI of Space truss.

16. Example of SI of Space Frame.

17.find KI of Some elements which are given below?