4th SEMESTER

ANALYSIS OF STRUCTURE [CET 401]

2 MARKS QUESTION

1.What is a deficient frame ?

2.State the difference between perfect frame and imperfect frame ?

3. Define statically determinate and statically indeterminate structures?

4. Define a portal frame ?

5.How truss differs from a beam ?

6.Define degree of indeterminancy?

5MARKS QUESTIONS

1.Find the forces in various members of the truss as shown in figure and tabulate results?

2.Using method of section, find axial forces in the members marked 1,2 and 3 of plane truss shown in figure(1) ?

3.Determine the forces in all the members of the truss shown?

7MARKS QUESTIONS

1.By using method of section, find out the axial forces along members 1,2 and 3as shown in the figure?

2.Find forces in all the members of the girder by method of joints only?