**Rajasthan Institute of Engg. & Tech. Jaipur**

**University Roll No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**III Year B. Tech V Semester (1st Mid Term)**

**Branch: - CIVIL ENGINEERING SET-A**

**Subject: - THEORY OF STRUCTURE (TOS II)**

**Time: -2 Hrs. [Maximum Marks: 20]**

**1. Calculate kinematic & Static Indeterminacy of the following :**

**OR**

**1. Calculate kinematic & Static Indeterminacy of the following :**

**2. Solve the following beam by Moment Distribution Method**

**OR**

**2. Solve the above beam by Slope Defelction method**

**3. Draw the B.M.D & deflection Diagram of the following frame by Moment Distribution**

**OR**

**3.Draw B.M.D of the following beam by Kani’s Method.**

**4. What do you mean by Force Method and Deflection Method**

**OR**

**4. Explain different types of support and what do you understand by Indeterminacy.**