**Mid Term Examination (Summer Semester 2020)**

**Subject: Structural Analysis-II** **(CE-311)**

**Lecturer: Engr. Adeed Khan**  **Total Marks: 30**

Note: Attempt all questions. Assume any missing data.

**Q No 1: CLO-02 (C-04/PLO-02) (10)**

Analyze the given beam shown in FIG-1 by flexibility method. EI is constant.

**Q No 2: CLO-02 (C-04/PLO-02) (10)**

Differentiate between force method and displacement method and suggest which method is more suitable for structure analysis of matrix approach.

**Q No 3: CLO-02 (C-04/PLO-02) (10)**

Analyze the rigid-joint frame shown in FIG-2 by flexibility method. Assume EI is constant for all members.





FIG-1

FIG-2