

**Raja Bansi Lal Das (National Institute of Technology & Management,
Lucknow)**

B. Tech Third Year (Fifth Semester) 2018-19
Department of Civil Engineering

Design of Structures-I (BCE-505)
Assignment 1 (Part 1)

- 1- Define influence of the member.
- 2- Define distribution factor.
- 3- Explain "Force method" by simple example.
- 4- What are the limitations of slope deflection method?
- 5- Write the slope deflection equations explaining the meanings of members end.
- 6- What are the assumptions and facts while developing slope deflection method?
- 7- Explain two-way and one-way type of joint frames with diagrams.
- 8- Analyse the continuous beam shown in fig. by moment distribution method and draw bending, moment and shear force diagram. Take the steady curve into.
- 9- Analyse the frame shown in fig. by influence deflection method.
- 10- Analyse the continuous beam shown in fig. by slope deflection method. Also draw bending moment diagram.

