

THAPAR POLYTECHNIC COLLEGE, PATIALA

ASSIGNMENT 3 (Session: Jan-May 2020)

STRENGTH OF MATERIALS

Date of Issue: 16-04-2020

Date of Submission: 20-04-2020

Q1. Derive the Bending equation.

Q2. Derive the Torsion equation.

Q3. Explain different types of Beams.

Q4. Explain different types of loads on beams.

Q5. Define

- a. Point of contraflexure
- b. Section Modulus
- c. Torsional rigidity

Q6. Differentiate between Torsion and Torque