

SECTION-B

- Q2 Explain the nomenclature of a gear with the help of a neat and labeled diagram. (5)
- Q3 List various safety precautions to be undertaken while working in machine shop. (5)
- Q4 Explain the process of drilling. List various types of drills. (5)
- Q5 Explain the procedure for pipe inspection. (5)
- Q6 Write a short note on 'Various forms of Dies'. (5)

SECTION-C

- Q7 Explain the process of arc welding for preparing a lap and tee joints. List various equipments used during the welding. Write down safety precautions to be undertaken while welding. (5,2,3)
- Q8 Discuss various aspects of sheet metal working with the help of sketches. Explain the process of inspection of sheet metal work. (7,3)
- Q9 Write notes on the following : (2×5)
- a) Various forms of surface finish and surface finish measurement.
 - b) Types and identification of hydraulic pipes and end fittings.