

(Following Paper ID and Roll No. to be filled in your Answer Books)

PAPER ID :**Roll No.**

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B.TECH.**Theory Examination (Semester-II) 2015-16****WORKSHOP TECHNOLOGY****Time : 3 Hours****Max. Marks : 100****SECTION A****1. Attempt all parts. Write answer of each part in short.****(2×10=20)**

- What are different types of flames in Gas Welding?
- What do you mean by Oxidizing Flame, Carburizing Flame and Neutral Flame?
- Name the operations, which can be performed on Lathe machine.
- Make a list of tools used on Centre Lathe.
- What are different types of welding process?
- Make list of attachment and accessories used in Lathe machine.
- Explain the term Casting.
- What is the difference between drilling and boring operation?
- Which operations can be performed on Milling machine?
- What are the types of drilling machine?

SECTION B**2. Attempt any five questions from this section.****(10×5=50)**

- Draw and explain equipments used in Oxy acetylene Gas Welding.
- Explain the constructional details of Standard Shaper with neat sketch.
- Draw block diagram of Radial type drilling machine. Explain the constructional details of the same.
- Explain the Work holding devices and Tool Holding devices in Drilling machine.
- Give the constructional details of Pillar type drilling machine with neat sketch.
- Write a note NC and CNC machine.
- Explain the constructional details of Column and Knee type Universal Milling Machine.
- Write short note on Shaper tools. Also explain different work holding devices in Shaper.

SECTION C**Attempt any two questions from this section.****(15×2=30)**

- Explain the principle used in Electric Arc Welding. Give brief account of Equipments and tools used in Electric Arc Welding.
- Describe the constructional details of Lathe machine? Also explain in brief, different attachments used in lathe Machine
- What do you mean by Twist Drill? Explain the terms used in Nomenclature of Twist drill. Also write a note on Drill angles and sizes.