

S. B. Roll. No.....

**WORKSHOP TECHNOLOGY-II**  
**4<sup>th</sup> Exam/Mech./Auto/2493/Nov'24**  
**(For 2018 Batch Onwards)**

**Duration: 3Hrs.**

**M.Marks:75**

**SECTION-A**

**Q1. Fill in the blanks.**

**15x1=15**

- a. For Single point cutting tool, Feed is expressed in mm/\_\_\_\_\_
- b. 18W:4Cr:1V are main constituent of \_\_\_\_\_ tool material.
- c. The lead Screw in Lathe is used for \_\_\_\_\_ Operation.
- d. A multipoint cutting tool designed to finish hole to very close tolerance is called \_\_\_\_\_
- e. The Lathe bed is made of \_\_\_\_\_
- f. Mandrel is used to hold and rotate \_\_\_\_\_ piece of work.
- g. Carbide tools are made by \_\_\_\_\_ technique.
- h. \_\_\_\_\_ is device that holds the work and guide the tool.
- i. Chuck is a \_\_\_\_\_ device for the job.
- j. Boring is an operation of \_\_\_\_\_ a drilled hole.
- k. The backward stroke in a shaper is called \_\_\_\_\_ stroke.
- l. Mineral oils are composed of \_\_\_\_\_
- m. A single piece broach is known as \_\_\_\_\_
- n. A Planer is machine having \_\_\_\_\_ Work and fixed tool.
- o. Coolants and Lubricants \_\_\_\_\_ the tool life.

**SECTION-B**

**Q2. Attempt any five questions.**

**5x6=30**

- i. Differentiate between Drilling and Boring.
- ii. Define Jig and Fixture.
- iii. Write difference between counter boring and counter sinking.
- iv. Write short note on Facing and Knurling.
- v. How a Planer is different from a Shaper?
- vi. Define cutting speed and feed of lathe.

**SECTION-C**

**Q3. Attempt any three questions.**

**3x10=30**

- a. Name different quick return mechanism used in shaper and explain any one with the help of sketch.
- b. Explain Lathe specifications and sizes.
- c. Describe the Principal parts of a Shaper.
- d. Describe with neat sketch the construction and working of radial drilling machine.
- e. Define Lathe accessories and list various lathe accessories. Explain the functions of Chucks and Steady rest.