

S.B. Roll No.....

**WORKSHOP TECHNOLOGY-III**  
**5<sup>th</sup> Exam/5328/Mech./Prod/May'18**

**Duration: 3Hrs.**

**M.Marks:75**

**SECTION-A**

**Q1. Fill in the blanks.**

**15x1=15**

- a. In Milling machine, cutting tool is mounted on .....
- b. The indexing helps to change the ..... position of the component in relation to the cutter.
- c. Grinding is a ..... Process.
- d. .... is used for majority of grinding wheels.
- e. In a grinding wheel code, the first symbol is the .....
- f. The bevel gears are used to connect two shafts at ..... angle.
- g. The spur gear is used to transmit power between ..... shafts.
- h. EDM takes ..... time than conventional machining processes.
- i. The process of ECM is used to machine ..... materials.
- j. .... Is used as dielectric fluid in EDM.
- k. In an oil paint, turpentine oil is used as a .....
- l. Buffing is a surface finishing process performed after .....
- m. Metallic coating is the process of .....
- n. Full name of EBM .....
- o. Colorizing is a process of providing thin layer of .....

**SECTION-B**

**Q2. Attempt any five questions.**

**5x6=30**

- i. Write short note on Angular and Straddle Milling.
- ii. Explain Truing and Dressing.
- iii. Differentiate between up milling and down milling.
- iv. Explain elements of surface texture.
- v. Write advantages of Modern machining processes.
- vi. Describe Powder metal process in brief.
- vii. Write application of Honing.
- viii. Write applications of metal spraying process.

**SECTION-C**

**Q3. Attempt any three questions.**

**3x10=30**

- a. Explain the various parts of Milling Machine.
- b. Describe the process of Gear hobbing.
- c. Write the various elements of Grinding Wheel.
- d. Explain the process of Electroplating.
- e. Explain principle, application and advantages of Laser Beam Machining.