

S.B. Roll No.....

**WORKSHOP TECHNOLOGY-III**  
**5<sup>th</sup> Exam/Mech./Prod/5328/0655/Nov'17**

**Duration: 3Hrs.**

**M.Marks:75**

**SECTION-A**

**Q1. Fill in the blanks/ True False.**

**10x1.5=15**

- a. ....machine are used when the production requirement are high.
- b. Hard grinding wheels are used for grinding.....
- c. EDM process can be used for machining only.....materials.
- d. LBM stands for.....
- e. Anodizing is a .....process.
- f. Grinding wheels are specified by.....and.....
- g. Internal gears can be made by .....and pinion cutter.
- h. The helical gear is also called as spiral gear? (True or False)
- i. Oxidizing is also same operation as pickling? (True or False)
- j. Rough cutting requires .....feed.

**SECTION-B**

**Q2. Attempt any five questions.**

**5x6=30**

- i. What is balancing of grinding wheel and why is it done?
- ii. What is need of metal coating process?
- iii. Describe the working of universal dividing head?
- iv. What is necessity of using Non Traditional Machining processes?
- v. Explain Principle of Ultrasonic Machining process with neat sketch?
- vi. Briefly, Explain buffing operation?

**SECTION-C**

**Q3. Attempt any three questions.**

**3x10=30**

- a. Describe the gear Hobbing process, its working principle. What are the advantages of gear Hobbing over other gear generating processes?
- b. Define term indexing and also define various methods of indexing?
- c. Briefly describe the purpose of electro chemical machining. Give its applications?
- d. Explain in details the terms **(any two)**
  - i) Thread milling
  - ii) Rubber case coating
  - iii) honing process