

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

**WORKSHOP TECHNOLOGY III**  
**5<sup>th</sup> Exam/MECH./5332/Jun'2021**  
**(For 2018 Batch Onwards)**

**Duration: 1:15Hrs.**

**M.Marks:25**

**SECTION-A**

**Q1. Attempt any three questions.**

**3x5=15**

- i. Discuss the working principle of milling machine?
- ii. Write a short note on thread milling?
- iii. Explain the purpose of grinding?
- iv. Explain the terms truing and dressing related to grinding wheel?
- v. Explain the process of gear shaping?
- vi. Discuss the advantages and applications of ECM Process?
- vii. Explain briefly oil base paints?

**SECTION-B**

**Attempt any one question.**

**1x10=10**

**Q2.** Explain with sketches face milling, form milling, angular milling and gang milling operations?

**Q3. a)** Explain the various elements of grinding wheel.

b) Explain the various types of grinding wheels.

**Q4.** Describe the gear hobbing method with diagram and discuss its advantages and disadvantages?

**Q5.** How laser beam machining is different from plasma arc. Machining? Explain using neat sketches?