

Roll No.

OLE-24261

**B. Tech. 5th Sem. (ME)
Examination – April, 2021**

MANUFACTURING TECHNOLOGY-II

Paper : ME-309-F

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all. Question No. 1 is **compulsory**. Students have to attempt **one** question from each Unit. All questions carry equal marks.

1. Write short notes on the following :

- (a) Types of tool wear
- (b) Electrochemical Machining
- (c) DNC
- (d) Group Technology layout

UNIT – I

2. Explain the mechanics of orthogonal and oblique cutting. 20

3. Explain the Taylor's life equation. What are the factors governing tool life. 20

UNIT – II

4. Explain following machining methods. 20

(i) Abrasive Jet Machining

(ii) Electric discharge Machining

5. Explain the principle of location and location devices. 20

UNIT – III

6. Discuss NC system and its classification. 20

7. Give one example of two axis part programming for Turning operations. 20

UNIT – IV

8. Discuss Group Technology and its working in details. 20

9. Explain the steps in planning the Introduction of Group Technology. 20
