

**A**

**200954**

**DIPLOMA**

**Press Tool and Die Maintenance and Stamping**

**Subject: Manufacturing Technology**

**Subject Code: NDME-104**

**Semester: Second**

**September 2020**

**Theory (External): 35 Marks**

**Time: 03 Hours**

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**INSTRUCTIONS TO THE STUDENTS**

1. Read the questions carefully and write the answers in the answer sheets.
2. Wherever necessary, the diagram drawn should be neat and properly labelled.
3. This questions paper comprises of 8 questions out of which student need to attempt any 4 questions.
4. All questions carry equal marks.
5. The time allotted will be 3 hours for examinations including time of downloading of question paper to emailing of answer books to the concerned Dean/IC.

## ESSAY TYPE QUESTIONS

1. Explain various types of chips produced while machining with a neat sketch
2. Explain the various factors which affect the machinability. Also differentiate between orthogonal cutting and oblique cutting.
3. Explain various types of tool wear with a neat sketch.
4. Explain the principle and working of EDM with a neat sketch.
5. Write any four important tool materials with their application. And also write five important properties of cutting tool materials.
6. Explain any two casting processes with a neat diagram
7. Explain in details various steps involved in making a casting.
8. What do you mean by Extrusion? Explain any two extrusion processes with a neat diagram.

\*END OF PAPER\*