

2107083

BACHELOR OF VOCATION
Tool and Die Manufacturing
Subject: Tool Maintenance
Subject Code: CBME-306
Semester: Sixth
July 2021
Theory (External): 70 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x2=20 Marks)

- A. Define the meaning of Maintenance
- B. Define the applications of Lubrication
- C. Define the meaning of Wear
- D. Discuss the function of stripper plate
- E. Describe the function of cutting tool
- F. Define the meaning of alignment
- G. Define the meaning of balancing
- H. Describe the function of die and punch
- I. Define the concept of Leveling
- J. Define the function of corrosion protection

32

SECTION –B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

1. Explain the objectives of preventive maintenance. Discuss its merits and demerits with suitable examples.
2. Differentiate between predictive maintenance and breakdown maintenance with suitable example.
3. Explain the concept of mounting and clamping of cutting tool with suitable example.
4. Explain various vibration control and resharpening method of cutting tool with suitable example.
5. Discuss the function of stripper plate and Die plate with suitable diagram and examples.
6. Differentiate between Jigs and Fixtures with suitable examples.
7. Explain the different types of clamping device with neat diagram along with suitable applications.
8. Describe the procedure required for mould maintenance with suitable example.

==END OF PAPER==