

BACHELOR OF VOCATION
Automotive Component Manufacturing
Subject: Workshop Technology
Subject Code: LBME-101
Semester: First
October 2020
Theory (External): 35 Marks
Time: 03 Hours

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. Define and name the primary and secondary manufacturing processes.
2. What is the purpose of using the cutting fluids in any machining operation? Name some commonly used cutting fluids.
3. Define speed, feed and depth of cut parameters. Name the various elements of a grinding wheel.
4. Write short notes on:
 - a) Drilling and its operations,
 - b) Reaming and Boring operations
5. Explain the working principle of milling operation. Differentiate between up milling and down milling operations.
6. Write short notes on:
 - a) Uses of Jigs & Fixtures
 - b) Some important lathe operations
7. Explain the tool signature of a single-point cutting tool with a suitable diagram.
8. Explain any two milling cutters with their suitable diagram.

*****END OF PAPER*****