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200941

BACHELOR OF VOCATION
Automotive Manufacturing
Subject: Computerized Numerical Control
(CNC)Machines I
Subject Code: BBME-213
Semester: Third
September 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 6 questions out of which student need to attempt any 3 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 the operations of CNC Machine with neat and clean diagram along with applications related to manufacturing industries
2. Discuss the Factors considered in selecting the tooling for CNC Machines with suitable example
3. Explain the construction and working of special devices used in CNC Machines with suitable example
4. Describe the types of tool holding devices of CNC Machine with suitable applications.
5. What is ATC. Describe the working of ATC with suitable diagram and applications
6. Describe the working of Programmable logic controllers with neat diagram along with applications related to manufacturing Industries

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