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201008

BACHELOR OF VOCATION
Tool and Die Manufacturing
Subject: Fundamentals of Computers
Subject Code: ZBCE-101
Semester: Second
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. Draw a block diagram of a computer. Explain the function of each of the blocks.
2. Convert the following:
 - a) $(11000100001)_2$ into HexaDecimal
 - b) $(3646)_8$ into Binary
 - c) $(2A2F)_{16}$ into Binary
 - d) $(5246)_{10}$ into Binary
 - e) State De Morgan's Law and Simplify: $(\overline{AB} + (\overline{A+B})B)$
3. What are Macros? Mention the uses of macros. Write steps for recording and running a macro with the help of an example.
4. What is Operating System? What are the basic functions of an operating system? Explain.
5. (a) Describe the complete process of Mail Merge.
(b) Explain any two different ways of protecting the Word-document.
6. (a) Discuss the process of developing websites?
(b) How Internet is useful in medicines?
7. Differentiate the following:
 - a) Batch processing and Time sharing
 - b) Hubs and Switches in computer network
8. What are the classifications of virus- Explain?

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