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- ii. Explain the following features of MS-Word: Page Orientation, Line Spacing, Wrap Text
6. What is a Computer? Explain important characteristics of computer.
7. Differentiate the following:
- Multiprogramming & multiprocessing
 - Hub and Router in computer network
8. What is TCP/IP model? Explain the four layers of TCP/IP Model and what is it used for?

===END OF PAPER===

BACHELOR OF VOCATION
Automotive Component Manufacturing
Subject: Fundamental of Computers
Subject Code: ZBCE-101
Semester: Second
December 2021
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

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

Roll Number

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SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x1=10 Marks)

Explain in brief the following:

- A) Data and information
- B) Search Engine
- C) Difference between Input Device and Output Device
- D) RAM
- E) LAN
- F) Network Topology
- G) Router
- H) Internet
- I) Document
- J) Digital Signature

SECTION -B (ESSAY TYPE QUESTIONS)
(5x5=25 Marks)

1. What is computer virus? How it can harm a computer? Give three examples of computer virus.
2. Perform the following number conversions:
 - i. $(110111)_2 = (\dots\dots\dots)_{10}$
 - ii. $(A908)_{16} = (\dots\dots\dots)_2$
 - iii. $(1234)_8 = (\dots\dots\dots)_{16}$
 - iv. $(244)_{10} = (\dots\dots\dots)_8$
 - v. $(351)_{10} = (\dots\dots\dots)_4$
3. Define an Operating System. Write four important functions of operating system?
4. Write short note on the following:
 - i. LAN, MAN, WAN
 - ii. Star Topology, Mesh Topology
5. Answer the following:
 - i. Compare UNIX and Windows