Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment I – August 2025
I SEMESTER

Class: I B.Voc **Time: 2 hours**
Major: Artificial Intelligence and Machine Learning **Max. Marks: 60**

23VAIC02 Computer Fundamentals and Office Automation

Course Outcomes:
At the end of the course, students will:

1. Understand the concept of computers, generations and peripheral devices.
2. Understanding the concept of framing algorithm and pseudo code for real time application problems.
3. Understand the importance of operating systems and functionalities of OS.
4. Discuss the basic rudiments of networking concepts.
5. Recognize when to use each of the Microsoft Office programs to create professional and academic documents.

Part-A **6x1=6**
Choose the correct answer

1. Which of the following is the smallest visual element on a video monitor? CO1K1
   a. Character b. Pixel c. Byte d. Bit

2. Which of the following is not considered hardware? CO1K1
   a. Operating system b. CPU c. Keyboard d. Hard disk

3. Which of the following is a structured programming technique that graphically represents the detailed steps required to solve a program? CO2K2
   a. Object-oriented programming b. Pseudocode c. Flowchart d. Top-down design

4. Which operator is used for exponentiation in most programming languages? CO2K1
   a. ^ b. * c. % d. **

5. What kind of transmission medium is most appropriate to carry data in a computer network that is exposed to electrical interferences? CO3K2
   a. Unshielded twisted pair b. Optical fiber c. Coaxial cable d. Microwave

6. Which of the following is an input device? CO1K1
   a. Plotter b. Printer c. VDU d.Mouse

Part- B **3x6=18**
Answer ALL Questions
Each answer should not exceed 400 words or two pages

7. a. List the major functions of a computer. CO1K2
   (or)
7. b. Write short note on Applications of computers. CO1K3

8. a. Differentiate between High level and Assembly level language. CO2K4
   (or)
8. b. Write a short note on programming process. CO2K3

9. a. Write short note on Communication media. CO3K3
   (or)
9. b. Explain the history of computers in detail. CO1K2

Part C **3x12=36**

Answer all questions

Each answer should not exceed 800 words or four pages

10. a. Explain the computers of the future in detail.	CO1K2
(or)	
10. b. Draw and explain the various types of computers in detail	CO1K2
11. a. Explain the features of Object-oriented Programing	CO2K2
(or)	
11. b. Write short note on types of Computer Languages	CO2K3
12. a. Explain the networks and uses of networks in detail.	CO3K2
(or)	
12. b. Write a short note on Programming Tools.	CO3K3

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No.of.Copies: 60 **Staff in Charge: Dr.T.Prabha**