



C20-AIM-105

7090

BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER / NOVEMBER—2023

DAIM – FIRST YEAR EXAMINATION

BASICS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Time : 3 Hours]

[Total Marks : 80

PART—A

3×10=30

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define the terms Bit, Nibble and Byte.
2. Draw the block diagram of computer.
3. State the different steps involved in problem solving.
4. List the symbols used to draw the flowchart.
5. List any 4 directory handling commands.
6. Define Queue? Give atleast two day-to-day life examples.
7. Define MODEM.
8. List any six cables used on computer.
9. Define Artificial Intelligence.
10. List any three characteristics of big data.

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Define main memory and explain the types of main memory.

(OR)

(b) Draw the block diagram of computer and explain it.

12. (a) Define program and explain the differences between a program and an algorithm.

(OR)

(b) Explain the characteristics of algorithm.

13. (a) List and explain any five external commands of DOS.

(OR)

(b) Explain the steps to install the new hardware using control panel.

14. (a) Explain about BIOS in detail.

(OR)

(b) Explain about the internet service provider.

15. (a) List and explain the characteristics of big data.

(OR)

(b) Explain inductive learning.

PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. Narrate the process of changing the system date and time.

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