

**A-0817**

Total Pages : 3

Roll No. ....

**MCS-402/DCA-102MIT(CS)-301**

**INTRODUCTION TO COMPUTING**

**(MSCIT/DCA/MSCCS)**

Examination, June 2025

Time : 2:00 Hrs.

Max. Marks : 70

**Note :-** This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**Long Answer Type Questions**      2×19=38

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Elaborate (i) Encapsulation (ii) Inheritance
2. Explain the Concept of Modeling Computing.
3. What is Searching ? Compare & Contrast different Searching Techniques
4. What is Object and Class ? Explain Polymorphism.
5. Define Programming. Elaborate the concept of Expressions.

### **Section–B**

#### **Short Answer Type Questions**      4×8=32

**Note** :– Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Explain the Concept of Computability ?
2. What is Overriding Methods ? Explain with suitable example.
3. Explain the Empirical Measurement of Cost in Computing.
4. What are the ways of Improving Expressiveness ?

5. What is Data Abstraction ? Explain its relevance.
6. Elaborate the History of Computing Machines.
7. What do you understand by Growth of Computing Power ?
8. Explain Evaluation Rules in Programming.

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