

A-829

Total Pages : 3

Roll No.

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

(MSCIT/DCA/MSCCS)

(Introduction to Computing)

1st/3rd Semester Examination, 2024 (June)

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. What is a composite procedures ? Explain with the help of a diagram.
2. What do understand Object-Oriented Programming ? Define with suitable example.
3. What is Python Programming ? Illustrate with the application of programming with real time problem.
4. Defining Procedures in programming with examples.
5. Do comparison expressions have higher or lower precedence than addition expressions ? Explain why, using the grammar rules.

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. What is meant by Binary Search ?
2. Define The Halting Problem property with the help of an example
3. What do you mean by Big O ?
4. What is Mechanizing Logic ?

5. Explain Turing Machines with suitable example.
6. What is Imperative Programming ?
7. What are the steps to solve the problem in a computer system ?
8. What is interpreter ? How it is different from an compiler ?
