

A-0815

Total Pages : 3

Roll No.

DIT-06

**INTRODUCTION TO COMPUTER
PROGRAMMING USING C**

(DIT)

Examination, June 2025

Time : 2:00 Hrs.

Max. Marks : 100

Note :- This paper is of Hundred (100) 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 2×26=52

Note :- Section 'A' contains Five (05) Long-answer type questions of Twenty Six (26) marks each. Learners are required to answer any *two* (02) questions only.

- Q.1. What is Pseudo Code ? Write an algorithm to find the sum of two numbers & also draw its flowchart ? Write a C program to print table of any number input by the user ?
- Q.2. Explain data types & variables ? Differentiate between constants and identifiers ? Write a C Program to find the factorial of a number.
- Q.3. Describe various input/output functions like scanf, getch, getchar, printf, putchar. Write a C program to illustrate Conditional Statement if- else & switch ?
- Q.4. Define an array. How to initialize one-dimensional array ? Explain with suitable examples. Write a C program to sort the given array elements in ascending order.
- Q.5. What is a function ? What is meant by call-by value and call-by reference ? What is recursion ? Define pointer. How to declare and initialize it ?

Section–B

Short Answer Type Questions 4×12=48

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Twelve (12) marks each. Learners are required to answer any *four* (04) questions only.

1. How to declare and initialize a two-dimensional array ?
Discuss with examples.
2. Write difference between algorithm and flowchart. write
a C program to compute area of rectangle ?
3. What is Arithmetic operator ? Define keyword, constant
and variable ?
4. Write a short note on type casting. Explain size of ()
with example.
5. Distinguish between while and do-while statements.
Explain Enumerated data types.
6. What is Macro ? Describe puts(), gets(), putchar() and
getchar() ?
7. What are the different file operations ? Write about
Sequential file handling functions.
8. Explain Automatic, External, Static, Register, Scope and
lifetime of variables.
