

Tribhuvan University
Institute of Science and Technology
Fundamentals of Computer Programming
2069

Full Marks : 60

Pass Marks : 24

Time : 3 hrs.

Attempt all questions. All question carry equal marks.

- 1.) Write an algorithm and flowchart to find out whether a given integer is zero, +ve or -ve and explain it.
- 2.) What are the basic four data types used in C programming? What are its size and range? Explain.
- 3.) Explain the "if.....else" statement with example.
- 4.) Differentiate between break and exit statement with example.
- 5.) Explain the multidimensional array with example. Write a program to convert a lowercase character string into uppercase.
- 6.) Explain the library functions with example.
- 7.) Write a program to find the sum of all the elements of an array using pointers.
- 8.) Explain the pointer arithmetic with example.
- 9.) Explain the array of structures and write a program to accept record of 15 person which has name, age and address and also display them.
- 10.) What are the three types of input/output functions which support in C-programming? Explain with example.

OR

Write short notes on :

- a.) Delimiters
- b.) Graphics function