

2025

COMPUTER SCIENCE

Course Name : Introduction to C-Programming

Course Code : COM-MAJ-1014/COM-MIN-1014

Full Marks : 45

Time : 2 Hours

The figures in the margin indicate full marks for the questions.

1. Answer the following questions : 1x5=5
 - a) Write the full form of ASCII.
 - b) If 'a' is an integer variable $a = 15\%2$ will return value
(Fill in the blank)
 - c) What is the difference between = and == operators ?
 - d) Why do we use math.h ?
 - e) What is the purpose of fopen () function ?
2. Answer *any five* of the following questions : 2x5=10
 - a) Write the basic syntax of switch case in C language.
 - b) What do you mean by recursion ?
 - c) Write two examples of string handling function in C language.
Why are they used ?
 - d) What is type casting in C ?
 - e) Explain the difference between call by value and call by reference.
 - f) Write the basic syntax of while loop in C language.
 - g) Write the syntax to open a file in write mode.
2. Answer *any four* of the following questions : 5x4=20
 - a) Explain about logical operators used in C language.
 - b) Write a C program to find the largest of three numbers using if-else.
 - c) What is library function ? Give some examples.

(Turn over)

- d) Describe the use of pointers in arrays.
 - e) Write a program to find the biggest among three numbers using function.
 - f) Explain the difference between local and global variables with examples.
4. Answer *any one* of the following questions : 10x1=10
- a) Write a program to check whether a number is a Armstrong number using function.
 - b) Write a program to add two matrices of order $m \times n$.
 - c) Write a program to sort the elements (numbers) of an array in ascending order.
