

CS 405 A / AMC-104 A

10848/N

M-73/2110

Introduction to Computer Programming using 'C'

Maximum Marks: 40

Maximum Time: 3 Hours

Instructions of Candidates:

- The Candidates are required to attempt five questions in all, selecting two questions each from Section A and B and compulsory question of Section C.
- Use of Scientific calculator is allowed.

Section-A (Any two Questions, 7.5x2=15 Marks)

- Q1. Explain various types of datatypes in C? Write a program to print table of any given number.
- Q2. Explain various types of logical operators and relational operators in detail with suitable example.
- Q3. Draw and explain in detail basic anatomy computers with its components?
- Q4. Explain the different steps to solve a problem programmatically by taking a suitable example?

Section-B (Any two Questions, 7.5x2=15 Marks)

- Q5. Write a C language program to enter n elements in array and find second largest number from array.
- Q6. What is a pointer? What are the different operations that can be performed on pointers? What is an array of pointers?
- Q7. What is Multi-dimensional Array with a suitable c program?
- Q8. Differentiate between pass by value and pass by reference.

Section-C (Compulsory, 1x10=10 Marks)

- Q9.
- a) What are Unary and binary operators?
 - b) What do you understand by external storage class?
 - c) What is WAN?
 - d) What is the use of header file in c
 - e) What are 4GL?
 - f) Differentiate between character array and String?
 - g) What are pointers to arrays ?
 - h) What is While loop? Write its syntax
 - i) Write syntax for Switch statement?
 - j) What is PROM?