

U-2/2114

PROGRAMMING FUNDAMENTALS USING C-114**Semester-I**

Time Allowed : Three Hours]

[Maximum Marks : 75

Note:- Attempt *two* questions each from Sections A and B and the entire Section C. All questions carry equal marks.

SECTION-A

1. Write an algorithm and draw a flowchart for finding greatest of three numbers. 15
2. (a) What are the different types of operators available in 'C' language? 7.5
(b) Define and distinguish between operator precedence and associativity. 7.5
3. Define functions. What are the different methods of passing parameters to functions? Explain. 15
4. What are the various formatted input and output statements available in 'C' language? Explain giving examples. 15

SECTION-B

5. Define arrays. How arrays are declared, initialized and printed? Explain giving example. 15

- 9
6. Define strings. How strings are declared, initialized and printed in 'C' language ? Explain giving examples. 15
- 9
7. Define and distinguish between structures and union. 15
- ✓
8. Write a program to read a text file and find frequency of each alphabet in it. 15

SECTION-C

9. Attempt all questions in short :
- (a) Define debugging. 3
- ✓ (b) Distinguish between identifiers and keywords. 3
- ✓ (c) Distinguish between break and continue statements. 3
- (d) Which are the unformatted input and output functions in 'C' language ? 3
- 9 (e) Which are the basic input and output functions for files in 'C' language ? 3
- ✓