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SF—25—2022

FACULTY OF COMPUTER STUDIES

B.Sc. (CS) (First Year) (Second Semester) EXAMINATION

MAY/JUNE, 2022

(CBCS/New Pattern)

COMPUTER SCIENCE

Part-II

(Introduction to Programming Language Using C)

(Saturday, 2-7-2022)

Time : 9.30 a.m. to 1.15 p.m.

Time— 3.45 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if required.

1. Attempt any *five* of the following : 15

- (a) Explain Array of structure.
- (b) Explain array and function.
- (c) Explain any *five* string functions.
- (d) Explain pointer and structure.
- (e) WAP to find fact of given number using Recursion.
- (f) What is function ?
- (g) What is Pointer ?

2. Attempt any *three* of the following : 15

- (a) Explain pointer to pointer.
- (b) Explain structure and structure within structure.
- (c) Explain union.
- (d) Explain file & operation of file.
- (e) Explain call by value.

P.T.O.

3. Attempt any *three* of the following : 15
- (a) Explain types of functions.
 - (b) Explain Recursion.
 - (c) Explain pointer and function.
 - (d) Explain command line argument.
 - (e) Explain dynamic memory allocation.
4. Attempt any *three* of the following : 15
- (a) WAP to demonstrate pointer.
 - (b) Explain storage classes.
 - (c) What is function ? Explain definition.
 - (d) Explain random access to file.
 - (e) Explain types of file.
5. Write short notes on any *three* : 15
- (a) Recursion
 - (b) Nesleed structure
 - (c) WAP to create simple structure
 - (d) WAP to create any file
 - (e) Mode of the file.