F–2751	Sub. Code
	7BCAA2

U.G. DEGREE EXAMINATION, NOVEMBER 2019

Computer Application

Allied — PROGRAMMING IN C

(CBCS – 2017 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What is the difference between a character constant and string constant?

2. What are the data types available in C?

3. What is a one dimensional array? Give an example

4. Write any four string handling functions in C.

5. What is the need for user defined function?

6. What is the main difference between a structure and an Union?

7. What is a Pointer? Give an example.

8. What do you mean by pointer initialization?

9. Define File.

10. Define Macro.

Part B (5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write a C program to print the prime numbers between 100 and 200.

Or

(b) Write a C program to calculate the income tax. Assume your own data.

12. (a) How will you initialize two dimensional array? Explain with example.

Or

(b) Explain the arithmetic operations on characters with example.

13. (a) Explain recursion with an example.

Or

(b) How will you create and initialize a structure? Explain with an example.

14. (a) What is pointer expression? Write the advantages of pointer.

Or

(b) Explain pointer and function with an example.

15. (a) Explain various file opening modes.

Or

(b) Explain the Random access file.

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Part C   (3 × 10 = 30)

Answer any **three** questions.

16. Explain the operators in C with example.

17. Write a C program to arrange the set of names in alphabetical order.

18. Write a C program to find the biggest of three numbers using a function.

19. Write a C program to find the sum of the elements of the array using pointer.

20. Explain the I/O operations on files with example.

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