A–8984	Sub. Code
	4BCEA3

U.G. DEGREE EXAMINATION, NOVEMBER 2019

Computer Science

PROGRAMMING IN C

(CBCS – 2014 onwards)

Time : 3 Hours   Maximum : 60 Marks

Part A $(10 \times 1^{1}/_{2} = 15)$

Answer **all** questions.

1.   Where the global variables are declared in C?

2.   List out the arithmetic operators in C language.

3.   Define – array elements.

4.   Write the general format of if... else statement.

5.   What is called a structure in C?

6.   What is the use of strlen( ) string function?

7.   How to declare the pointers in C?

8.   Write the syntax of scanf statement.

9.   How to close a file in C?

10.   Write the syntax of command line argument.

Part B (5 × 3 = 15)

Answer **all** questions.

11. (a) Explain the structure of C program.

Or

(b) Write short notes about the shift operators in C.

12. (a) How to initialize the arrays?

Or

(b) How to write a string to the screen? Give an example.

13. (a) Discuss about structure declaration.

Or

(b) Compare strcat ( ) and strncat ( ) string functions.

14. (a) How to use function pointers in a C program?

Or

(b) Discuss about the pointers with structures.

15. (a) Write short notes on C-pre processor.

Or

(b) Write syntax and explain file open statement.

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Part C $(3 \times 10 = 30)$

Answer any **three** questions.

16. Draw the flow chart and explain if....else structure with an example.

17. Write a C program to generate Multiplication table.

18. Explain the various categories of functions.

19. Discuss about pointer increments and scale factor in C.

20. Write a C program to read a line from a file and display it.

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