

<b>F-2756</b>
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<b>Sub. Code</b>
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<b>7BSOA3</b>
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**U.G. DEGREE EXAMINATION, NOVEMBER 2019**

**Software**

**Allied — C PROGRAMMING**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define Expression.
2. What are the rules to declare a variable in C?
3. Give the syntax of if-else statement.
4. Write the differences in between while and do-while.
5. What is the use of global variable?
6. How to initialize on array?
7. What is period operator?
8. Define Auto classes.
9. Life file-modes in which files are opened.
10. Write the use of 'type def'.

**Part B** $(5 \times 5 = 25)$ 

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

11. (a) Explain the priority of Arithmetic operators.

Or

- (b) Write a note on Arithmetic operators in C.

12. (a) Explain decision making statements with examples.

Or

- (b) What are the different types of operators in C?

13. (a) Write a program to find the biggest value among a set of values stored in an array.

Or

- (b) Write short notes on strings and character arrays.

14. (a) Write a program to reverse a given string.

Or

- (b) How to pass a structure by reference?

15. (a) Give a brief note on standard Input and Output functions.

Or

- (b) Write a program to open and close a file.

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

Answer any **three** questions.

16. Elaborate data types with examples.  
17. Discuss looping statements in detail.

18. Describe different types of functions with illustration.
  19. Write a program to program to display the squares and cubes array elements using pointers.
  20. Discuss Pre processor in detail.
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