

<b>F-1731</b>
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<b>Sub. Code</b>
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<b>7BCEA3</b>
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**UG DEGREE EXAMINATION, APRIL 2019**

**Computer Science**

**Allied: PROGRAMMING IN 'C'**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 60 Marks

**Part A**

(10 × 1.5 = 15)

Answer **all** questions.

1. Define constant.
2. What is an identifier?
3. What is format used for getting integer as input?
4. What is the purpose of go to statement?
5. Define dynamic array.
6. How to initialize string variables?
7. What is local scope of variable?
8. What is proto type declaration?
9. How to initialize pointers?
10. What is the purpose of file?

**Part B**

(5 × 3 = 15)

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

11. (a) Explain conditional operator.

Or

- (b) What are data types supported by 'C'.

12. (a) Compare switch statement with if ..... else if.. statement .

Or

- (b) Compare while.... loops with do... while loops.

13. (a) How to read and write strings.

Or

- (b) Explain any five string handling functions.

14. (a) Explain structure with an example.

Or

- (b) Explain union with an example.

15. (a) Explain pointers and character strings.

Or

- (b) Explain different modes of file operations.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain hierarchy of operators.
17. Operators rules for coding for..... loops with suitable examples.
18. Write a 'C' program to sort ten numbers.

19. Explain about user- defined function definition and function cell.
  20. Explain error handling in I/O operations in files.
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