S.No. 1870 **12UCSA02**

(For the candidates admitted from 2012-2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Third Semester

Electronics and Communication

Allied — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is an identifier in programming?

2. What is type conversion

3. Write the syntax for goto statement

4. Give the syntax of Malloc?

5. What is the function used to find the first occurrence of character in a string

6. How to call C functions in a program?

7. What is the operator used to access any member of a structure?

8. What are bit fields?

9. What are Pointers?

10. What is the use of ftell?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain Tokens in C.

Or

(b) Discuss operator precedence.

12. (a) Explain IF Statement in detail.

Or

(b) Explain one dimensional array in details.

13. (a) Explain string handling functions in C.

Or

(b) Explain Recursion.

14. (a) How to define structures in C Explain?

Or

(b) How do you calculate size of structures?

15. (a) Explain initializing of pointer variables.

Or

(b) What are the access modes used in file opening?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain formatted input and output functions in C.

17. Explain jumps in loops.

18. How to pass array to a function?

19. Explain union in detail.

20. Explain file I/O operations.

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