



22131/A 310

Reg. No.

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**I Semester B.C.A.2 Degree Examination, November 2015**

**(Repeaters)**

**COMPUTER CONCEPTS AND 'C' PROGRAMMING**

Time : 3 Hours]

[Max. Marks : 80

**Instruction :** Answer the questions of all three sections.

SECTION – A

I. Answer **any ten** questions :

**(10 × 2 = 20)**

1. What is Computer?
2. Write the functions of ALU.
3. Define Hardware. Mention any two input and output devices.
4. List out String handling functions.
5. Give the Syntax of DO - while loop.
6. Define function. State its type.
7. What are the rules for framing a variable name.
8. Define Union.
9. What is algorithm? List out its notations.
10. What is Flowchart? Give its Classification.
11. Distinguish between string constant and character constant.
12. Define Pointer. Mention Operators used with Pointers.



SECTION – B

II. Answer **any six** questions : **(6 × 5 = 30)**

- 13. Draw a neat labelled block diagram of a computer and explain each Unit.
- 14. Differentiate between ALL and HLL.
- 15. Write an algorithm to convert Fahrenheit temperature into Celsius.
- 16. What is data type? Explain the four basic data types of C.
- 17. What are binary operators? Explain Arithmetic operators.
- 18. Write a note on Nested if statement.
- 19. What are multi dimensional arrays? How do you declare and initialise explain with an example.
- 20. Write a Program to find factorial of a given number using function.

SECTION – C

III. Answer **any three** full questions : **(3 × 10 = 30)**

- 21. Explain about the basic Structure of 'C' program.
- 22. Explain formatted and unformatted i/p and o/p function with an example.
- 23. Discuss different types of looping Statements in 'C'.
- 24. Explain about the different types of function available in 'C'.
- 25. What is Pointer? Mention the advantages of pointer. How you will declare and initialize the Pointer?

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