



B.Sc II Semester Degree Examination, May - 2018

COMPUTER SCIENCE

Programming in 'C'

Paper - 204 C.S.

(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

All the sections are **compulsory**.

Section - A

I. Answer any **TEN** of the following :

(10×2=20)

1. What is algorithm?
2. What are the Features of 'C' language ?
3. Write the syntax of printf () and scanf () statements?
4. What is loop? List the types of loop?
5. Give the syntax of declaring 1- Dimensional array?
6. Define the term Recursion.
7. What is the significance of NULL character?
8. What is structure? Give an example.
9. Write the syntax to declare a variable in C?
10. What is pointer? Give an example
11. What are reserved words? Give an example?
12. What is union? Give an example.

**Section - B**

II. Answer any **SIX** of the following : **(6×5=30)**

13. Explain the different types of programming languages?
14. What are the rules to be followed while declaring a variable?
15. Differentiate between while and Do while statements.
16. Write a C program to find transpose of a given matrix.
17. Explain on switch statement with its syntax.
18. Write a C program to count vowels and consonants in a given string.
19. Write a C program to find sum of digits of a given number.
20. Explain on declaring a structure with example.

Section - C

III. Answer any **THREE** of the following : **(3×10=30)**

21. Classify the operators in 'C' explain ternary operator with an example.
 22. Explain on conditional control statements with their syntax and example.
 23. Write a C program to find factorial of a given positive number using function.
 24. Explain on string handling functions with their syntax and example.
 25. What is structure? How do we declare a structure? Give its syntax with an example.
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