

C 82419

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Name.....

Reg. No.....

**SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020**

(CBCSS—UG)

Computer Science

BCS 2B 02—PROBLEM SOLVING USING C

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)**

*Answer all questions.*

*Each correct answer carries a maximum of 2 marks.*

*Ceiling 20 marks.*

1. What is an array ?
2. What is the purpose of break statement ?
3. How will you create infinite loops in C ?
4. What is the use of fscanf() function ?
5. What is a null pointer ?
6. What is the difference between actual parameters and formal parameters ?
7. What are the uses of functions in C ?
8. List the storage classes specified in C.
9. What is typecasting ?
10. Explain the logical operators in C.
11. What is static memory allocation in C ?
12. Explain exit controlled loop in C.

**Section B (Short Essay Type Questions)**

*Answer all questions.*

*Each correct answer carries a maximum of 5 marks.*

*Ceiling 30 marks.*

13. Write a C program to reverse a number.
14. Explain for loop with an example.
15. Write a C program to sort  $n$  names.

Turn over

16. Explain various modes for opening a file.
17. Write a C program to find sum of N numbers using dynamic memory allocation.
18. Explain with an example for illustrating call by value in a function.
19. Explain union with an example.

**Section C (Essay Type Questions)**

*Answer any one question.*

*Correct answer carries 10 marks.*

20. Explain if statement, if else statement and nested if with syntax and examples.
21. Explain with an example, how will you create and access a structure in C.