

0092550



K19U 3295

Reg. No. :

Name :

I Semester BCA Degree CBCSS(OBE) - Regular
Examination, November - 2019
(2019 Admission)
Core Course
1B01 BCA : PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 40

PART - A

(Answer **all** questions. Each question carries **1** mark) (6×1=6)

1. What do you mean by structured programming?
2. What is the difference between a local variable and global variable in C?
3. Predict the output of the following code:

```
#include<stdio.h>
main(){
    char x[]= "Hi\0Hello";
    printf("%d %d", strlen(x), sizeof(x));
}
```
4. What is the use of enum in C?
5. Define a pointer which stores the address of an integer.
6. What is the use of rewind() in C?

PART - B

(Answer any **six** questions. Each question carries **2** marks) (6×2=12)

7. Discuss different types of constants in C.
8. Define precedence and associativity of operators.
9. Explain nested for loops in C with an example.
10. What is the difference between an entry controlled and exit controlled loop?

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11. Write a function to display largest element in an array.
12. Explain user defined functions? Give an example.
13. Difference between the expression strcmp() and strcmpi() in C.
14. Explain the use of fgetw() and fputw() in C.

PART - C

(Answer any **four** questions. Each question carries **3** marks) (4×3=12)

15. Explain the symbols in a flowchart and its purpose.
16. What do you mean by a ternary operator? Explain with an example.
17. What will be the output of the program?

```
#include<stdio.h>
int main()
{
    int i=0;
    for(; i<=5; i++);
        printf("%d", i);
    return 0;
}
```

18. Write a program to reverse an integer in C.
19. What is the advantage and disadvantage of union in C? Give the syntax to define a union.
20. Explain the difference between pointer to array and array of pointers with example.

PART- D

(Answer any **two** questions. Each question carries **5** marks) (2×5=10)

21. Explain different storage classes in C and a brief comparison of all.
 22. What are the advantages of using functions in C? Explain function declaration, function definition and function call with suitable examples.
 23. Write the differences between static memory allocation and dynamic memory allocation. Explain various methods used for dynamic memory allocation.
 24. Write a C program to write even and odd integers into different files.
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