



K20U 3295

Reg. No. : .....

Name : .....

I Semester B.C.A. Degree CBCSS (OBE) Reg./Sup./Imp.

Examination, November 2020

(2019 Admn. Onwards)

Core Course

1B01BCA : PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 40

PART – A

Answer **all** questions. **Each** question carries **1** mark.

1. What are the advantages of using flowchart ?
2. What is the difference between #define and const in C ?
3. Predict the output of the following code.

```
#include<stdio.h>
int main()
{
    int x = 10, y = 20, z = 5, i;
    i = x < y < z;
    printf("%d\n",i);
    return 0;
}
```

4. Explain the use of gets() in C.
5. How will you declare an array in C ?
6. What are command line arguments ?

(6×1=6)

P.T.O.



## PART – B

Answer **any six** questions. **Each** question carries **2** marks.

7. Discuss any four features of C language.
8. Explain the use of void data type with an example.
9. Difference between implicit and explicit type conversions in C.
10. Explain the syntax of do... while statement.
11. Explain the use of continue in C with an example.
12. What are multidimensional arrays ? Give an example.
13. Difference between the expression ++\*ptr and \*ptr++ are in C.
14. Explain the use of fopen() in C. (6×2=12)

## PART – C

Answer **any four** questions. **Each** question carries **3** marks.

15. Explain the structure of a C program.
16. Explain escape sequences in C.
17. Find error in the following code, if any explain the reason.

```
#include<stdio.h>
int main()
{
    int P = 10;
    switch (P)
    {
        case 10:
            printf("Case 1");
        case 20:
            printf("Case 2");
            break;
        Case P:
            printf("Case 2");
            break;
    }
    return 0;
}
```



18. Write a program to read 10 numbers using an array and arrange them in descending order.
19. What is the advantage of using structures in C ? Explain with an example.
20. Explain the use of fprintf() and fscanf() functions in C. (4×3=12)

PART – D

Answer **any two** questions. **Each** question carries 5 marks.

21. Explain different types of operators in C with examples.
  22. Explain call by value and call by reference in C with examples.
  23. Explain any five string handling functions in C.
  24. How will you convert a decimal number to corresponding binary ? Write a C program to perform the same. (2×5=10)
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