**E 2973** (Pages : 2) Reg. No.....

Name.....

# B.Com. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2022

**Fifth Semester**

PROGRAMMING IN C LANGUAGE

(Common for Model II B.Com. Optional Stream Computer Applications U.G.C. Sponsored B.Com. Computer Applications and U.G.C. Sponsored B.Com. [O.M. and S.P.])

[2013 to 2016 Admissions]

Time : Three Hours Maximum Marks : 60

## Part A

*Answer* **all** *questions.*

*Each question carries* 1 *mark.*

1. What is Documentation?
2. What is a token?
3. Define Array.
4. What is type casting?
5. What are Header files?
6. What is an object program?
7. What is initialisation?
8. What is a loop variable?

(8 × 1 = 8)

## Part B

*Answer any* **six** *questions.*

*Each question carries* 2 *marks.*

9. What is the difference between entry controlled and exit controlled loops?
10. Write a short note on Union.
11. Explain the structure of C program.
12. Explain about logical operators in C.
13. What is the use of getchar ( ) and putchar ( ) ?

**Turn over**

14. Write a statement to initialise a two dimensional array.
15. Write a note on nested loops.
16. What is the difference between fundamental and derived data types?
17. Write an algorithm to check whether a given number is odd or even?
18. Water are symbolic constants?

(6 × 2 = 12)

## Part C

*Answer any* **four** *questions.*
*Each question carries* 4 *marks.*

19. Explain the different types of functions in C.
20. Explain the input output operations in files.
21. What are the advantages of the register variables?
22. Describe the order of precedence of operators in C language.
23. Explain about dynamic memory allocation in C.
24. What will happen if break statement is omitted in switch statement?

(4 × 4 = 16)

## Part D

*Answer any* **two** *questions.*
*Each question carries* 12 *marks.*

25. What is a flowchart? What are the symbols used in flowchart and explain its advantages?
26. What is a function? Explain the different ways of calling a function.
27. Explain the different methods of opening a file.
28. Explain the different looping statements used in C.

(2 × 12 = 24)