E 5305 (Pages : 2) Reg. No.....

Name.....

B.Com. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2018

Fifth Semester

PROGRAMMING IN C LANGUAGE

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

(2013 Admission onwards)

Time : Three Hours Maximum Marks : 60

Section A

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

1. Define flow chart.
2. Explain the use of a model in program development.
3. What is meant by selection ?
4. Explain the term loop.
5. What are unary operators ?
6. What is strings ?
7. What is the purpose of the control string in a scanf function ?
8. Explain the syntax of array.

(8 × 1 = 8)

Section B

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

9. Explain how to define and open a file.
10. Explain different file operations function.
11. Explain user defined functions with example.
12. Create an algorithm to add two numbers.
13. What is an escape sequence ? What is its purpose ?
14. Explain about void function.
15. Explain the concept of multidimensional array with example

Turn over

16. How does character constant differ from string constants ?
17. Explain the purpose of a switch statement.
18. Explain about the different types of operators that are included within the C language.

(6 × 2 = 12)

Section C

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

19. Explain the initialisation of an array.
20. Explain about the source program and object program in C.
21. Name and describe the four basic data types in C.
22. Explain about different types of files.
23. Draw a flowchart to find the largest among three different numbers entered by user.
24. Summarise the syntactic rules associated with the while statement.

(4 × 4 = 16)

Section D

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

25. Give a detailed note about arrays in C.
26. Explain the different forms of branching based on decisions.
27. Explain the different steps in executing C programs.
28. Explain the steps involved in the development of a complete program.

(2 × 12 = 24)