QP CODE: 20100129

Reg No   :   ....

Name   :   ....

BCOM DEGREE (CBCS) EXAMINATION, FEBRUARY 2020

Fifth Semester

Complementary Course - CO5CMT08 - PROGRAMMING IN"C" (THEORY)

B.Com Model II Computer Applications ,B.Com Model III Computer Applications

2017 Admission Onwards

7EC2DDA6

Time: 3 Hours   Maximum Marks :60

Part A

Answer any **ten** *questions.*

Each question carries **1** *mark.*

1. Shortly explain the character set of C language.

2. What is a new line character?

3. Shortly explain the gets() and puts() function.

4. What is the advantage of counter controlled loop?

5. What is the use of goto statement?

6. Write any two characteristics of an array in C?

7. What is the use of strcat() function in C?

8. Differentiate between user defined and library functions?

9. Define function declaration?

10. Explain recursion?

11. Write the syntax for declaring an integer pointer.

12. Explain the specialty of following pointer variable
    struct student *sp;

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the basic structure of a C program.

14. Explain the arithmetic operators in C language.

15. Explain control structures?

16. Explain the working of switch statement?

17. Explain string and character array in c with example.

18. Explain call by reference with an example?

19. What are the advantages of library functions?

20. What is a nested structure?

21. Write a program in C to find the Highest number between two numbers using a pointer

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain the processes involved in design and development of a program.

23. Explain the different forms of 'if' statements ?

24. Write a C program to add two Matrices?

25. Explain scope,visibility and lifetime of variables with suitable examples

(2×10=20)