SUBJECT CODE: CS/MC/PF14

B.C.A. DEGREE EXAMINATION – NOVEMBER 2010
FIRST SEMESTER

COURSE   : MAJOR CORE
PAPER   : PROGRAMMING FUNDAMENTALS
TIME   : 1½ HOURS   MAX. MARKS : 50

SECTION - A

Fill in the blanks   **(5x1=5)**

1. _____is a new line constant.

2. _____operator is called the logical AND.

3. The string library function strcat() is used for _____

4. Two file open modes_____ and _____

5. Pictorial representation of program is _____

State True or False   **(3x1=3)**

6. The operator '=' and '==' are not equal.

7. C language is not a case sensitive language.

8. '/a' is not a single character constant.

Choose the correct answer   **(2x1=2)**

9. Operating system developed using C language is

    (a) Windows (b) Unix (c) HTML (d) Flash

10. If a=10

    x=a++;

    y=++a;

    What is the output of x and y?

    (a) x=11,y=12   (b) x=10,y=12   (c) x=12,y=10   (d) x=10,y=11

SECTION - B

ANSWER ALL THE QUESTIONS: **5X2=10**

11. Draw any two flowchart symbols and write their function.

12. Define variable.

13. What is the use of Comma operator?

14. What is union? Give the syntax.

15. Define function.

SECTION C

ANSWER ANY SIX OF THE FOLLOWING QUESTIONS: **6X5=30**

16. Draw a flowchart to find the area of a triangle.

17. Write the algorithm to find the square of a given number.

18. Explain any three input functions.

19. Define an array. Write short note on two dimensional arrays.

20. Explain recursion with an example.

21. Give the difference between break and continue statement.

22. Explain any two string handling functions with example.

23. Give a brief note on switch statement with an example.

****