LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

FIRST SEMESTER – NOVEMBER 2016

CS 1505 - PROGRAMMING IN C

Date: 05-11-2016   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

SECTION A

ANSWER ALL THE QUESTIONS   **10 X 2=20 MARKS**

1.Define variable ?

2. List the rules for creating an indentifier in C.

3. what are arrays?

4. What is looping ?

5. List out any four string functions.

6. What is function prototype?

7. What is a recursion?

8. What is a pointer?

9. What is a data file?

10. State the different modes of operation in a file?

SECTION B

ANSWER ALL THE QUESTIONS   **5 X8=40 MARKS**

11. a.Draw a flow chart to check the given number is odd or even?

    OR

    b.Write a note on conditional operator.

12. a. Give the difference between While and do-while loop.

    OR

    b. Write a note on multi dimensional array

13. a. Write a program to perform matrix addition.

    OR

    b. With an example explain passing pointer to a function.

14. a. Explain library functions.

    OR

    b. How will you pass arguments to function.

15. a. How will you open and close a data file in C?

    OR

    b. Explain union.

ANSWER ANY TWO QUESTIONS   **2 X20=40 MARKS**

16. a. Explain data types in C. .

    b. Explain control structures in detail

17. a. Write a program to print the factorial of number.

    b. Explain storage classes

18. a. Explain structures in detail

    b. How will you pass an array to a function?

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