LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

SECOND SEMESTER – APRIL 2017

16UCS2MC01- PROGRAMMING IN C

Date: 22-04-2017   Dept. No.   Max. : 100 Marks
Time: 01:00-04:00

PART – A
Answer ALL the questions: 10×2=20 marks

1. Define Keywords.
2. Write the general form of IF ELSE statement.
3. What is One Dimensional array?
4. List out any two string functions.
5. Write the purpose of User defined functions.
6. Define Recursion.
7. Define Structures.
8. What are Enumerated Data types?
9. Write the use of Putw function.
10. What are command line arguments?

PART – B
Answer ALL the questions: 5× 8 =40 marks

11.a. Discuss about the arithmetic operators and logical operators in C. Give example.
(OR)
11.b. List out the difference between WHILE and DO WHILE statement.

12.a. Explain about Initialization and Processing of arrays with example
(OR)
12 b. Explain in detail about various string handling functions.

13.a. Explain about passing arrays to functions with an example.
(OR)
13.b. Write a C program to calculate the factorial of a given number.
14.a. Describe about the Declaration and Initialization of structure.
(OR)
14.b. Write a note on pointers to structures with an example.
15.a. Describe about the Opening and closing of a data file in C.
(OR)
15.b. Write a C program to write a text to a file.

PART – C
Answer any two questions: 2×20=40marks

16.   a. Describe various looping structures with suitable examples.   **(10 marks)**
  b. Write a C program to print multiplication table using two dimensional array.   **(10 marks)**
17.   a. Write a C program to generate the Fibonacci series.   **(10 marks)**
     b. Explain the array of structure with example   **(10 marks)**
18.   a. What are the file types and explain the file handling functions with an example. **(10 marks)**
     b. Explain in detail about the Data types in C with suitable examples. .   **(10 marks)**

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