E   **B3E049S**   **Pages: 2**

Reg. No._____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
THIRD SEMESTER B.TECH DEGREE EXAMINATION, JULY 2017

Course Code**: EE207**
Course Name**: COMPUTER PROGRAMMING (EE)**

Max. Marks: 100   Duration: 3 Hours

PART A
Answer all Questions.

1. a. Compare between compiler and assembler.   (3)

    b. Mention any four keywords and their meaning.   (2)

2. Illustrate the syntax of while statement with an example.   (5)
3. Explain how to initialize a 1-D numeric array and character array with examples. (5)
4. a. Enumerate three advantages of using functions.   (3)

    b. Give the purpose of return statement.   (2)

5. Compare structure and union.   (5)
6. What are pointers? Why they are used? Illustrate with an example.   (5)
7. Give the syntax of fopen and fscanf to read data from a file. Illustrate with an example.
                                                                           (5)
8. Discuss on arithmetic operators in python.Give one example each.   (5)

PART B
Answer any two questions.

9. a. Draw the flowchart and develop the algorithm for finding the area of a triangle by
    reading three sides   (5)

    b. Explain the different datatypes in C.   (5)

10. a. Discuss the break and continue statement in C with an example.   (5)
    b. Write a C program to find the sum of digits of an integer, entered through the
    keyboard.   (5)
11. a. Explain the syntax of switch statement with example.   (5)
    b. Write a C program to find the sum of all even numbers between two limits.   (5)

PART C
Answer any two questions.

12. What are functions? Explains the different types of functions in detail with an example
    program for each type.   (10)

13. Write a C program to find the transpose of a matrix.   (10)
14. Explain the storage classes in C with appropriate example.   (10)

PART D
Answer any two questions.

15. Compare structure and array and explain with an example.   (10)
16. Write a C program to sort a set of mark sheets of 6 subjects. Make use of structure to develop the program and hence find the first three rank holders.   (10)
17. a. Explain any five file handling functions and Illustrate with an example.   (5)
    b. Explain the various data types in python.   (5)

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