

3. Attempt any **Two** of the following questions: **6 x 2 = 12**

- (a) Write a C program to calculate factorial using recursion.
- (b) Write a C program that read and display content of a given file.
- (c) Explain nesting of structures using example.

4. Attempt any **Two** of the following questions: **6 x 2 = 12**

- (a) Write a program to sort given ten numbers in ascending order.
- (b) Explain function using call by reference with example.
- (c) What is Dynamic memory allocation? Write and explain the different dynamic memory allocation function in C.

5. Attempt any **Two** of the following questions: **6 x 2 = 12**

- (a) Explain how the structure variable passed as a parameter to a function with suitable example?
- (b) What is File? Explain file open and file close functions.
- (c) Explain different types of loops that are used in C with complete syntax and example.

Roll No.

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B. TECH.

FOURTH SEMESTER EXAMINATION, 2016-17

ADVANCE COMPUTER PROGRAMMING

Time : **3 Hours**Max. Marks : **60**

Note : (i) Attempt **ALL** questions.
(ii) Choices are given in each question set.

1. Attempt any **Four** of the following questions: **3 x 4 = 12**

- (a) What is Array? Give limitations of array.
- (b) Explain the difference between local and global variable with suitable example.
- (c) What is Recursion? Explain with suitable example.
- (d) What is Preprocessor? Explain its working.
- (e) Explain Dynamic memory allocation using malloc() function.
- (f) Give difference between array and structure.

2. Attempt any **Four** of the following questions: **3 x 4 = 12**

- (a) What is File? Give the list of file operation.
- (b) Explain list of operations on one dimensional array with suitable example.
- (c) List the advantages of Pointer.
- (d) What is Union? Give major difference in structure and union.
- (e) Explain command line arguments in C.
- (f) Explain array of pointers with example.

