

Roll No.....

Total Pages : 2
1904

BCA/M-18
ADVANCED PROGRAMMING IN C
Paper: BCA-121

Time: Three Hours

Maximum Marks: 80

Note: Attempt five questions. Q. No. 1 is compulsory. Select one question from each Unit.

Compulsory Question

1. (a) Explain various string handling functions in C.
(b) Distinguish between Malloc and Calloc.
(c) Explain Header files with examples.
(d) What are the different file operations in C ?

UNIT-I

2. (a) What are strings in C ? Write a program to check whether string is palindrome or not?
(b) Write a program for adding string to end of another string.
3. (a) Difference between Structure and Union. Write syntax for declaration of Structure and Union.
(b) Explain typecasting with example.

UNIT-II

4. What is Recursion? Write a program in C to print series 0, 1, 1, 2, 3, 5, 8.....
Using recursive functions.
5. (a) Differentiate between Call by Value and Call by Reference in C with suitable examples.
(b) Explain dynamic allocation in C using pointers.

UNIT-III

6. Explain the following :
(a) File I/O and Console I/O
(b) fopen0 and fclose0.
7. What are the different ways in which files can be categorized in C? How errors are detected in files?

UNIT-IV

8. Write short notes on the following :
(a) #define
(b) Macros In C
(c) Conditional Compilation
(d) #include.
9. What are Command Line Arguments? How do we define and use Command Line Arguments? Write a simple program for Command Line Arguments.

