

Questions of Advanced Programming in C.

Unit - I

1. Explain standard library functions to handle strings in C with examples.
2. a) How are structure passing and returning implemented in C?
b) What is enumeration? What is its use? What is difference between "typedef enum" and "enum" in C?

Unit - II

3. a) Differentiate between pointer to an array and array of pointers. Explain.
b) Write a program in C to count vowels and consonants in string using pointers.
4. What do you mean by static and Dynamic memory allocation in C? Write a program in C to declare memory for an integer variable both statically and dynamically.

Unit - III

5. What are different file opening modes in C? Write a program in C that merges the contents of two files and write results to a new file.

6. What is Console Input Output in C? How it is different from File input/output? Explain various Console input/output functions.

Unit - IV

7. Write short notes on:

a) Macro Expansion

b) File Inclusion

8. What is conditional compilation in C? How does it help a programmer? Write a sample program for Conditional compilation to print system current date and time.