Unit 1 :Preprocesor Directives

Short Questions (1 to 3 marks each):

1. Explain #define and #undef.
2. Explain macro.
3. Define preprocessor.
4. Explain #include.

Detailed Questions (4 to 10 marks each):

1. Explain compiler control directives.
2. What is a preprocessor directive? Explain #ifdef,#infdef,#if ,#endif, #else,#elif.
3. Explain file inclusion directives.

Unit 2: Arrays,Stuctures and Unions

Short Questions (1 to 3 marks each):

1. Explain multi dimensional character array.
     OR
   How to create multidimensional character array?
2. Why structure is required? Give the benefits of creating structure.
3. Explain structure.
4. Explain structure within structure.
5. State the rules for initializing structure.
6. What is self referential structure?
7. Explain sizeof operator with example.

 Detailed Questions (4 to 10 marks each):

1. How to pass structure in user defined function?explain with example.
    Explain structure in detail.give the difference between structure & union.
2. Explain array of structure in detail.
3. Explain union in detail. Also compare union with structure.
4. What is structure? Explain with example & how can we declare structure variable?
5. Write a short note on structure.

Unit 3: User-defined functions & Pointers

Short Questions (1 to 3 marks each):

1. What are the needs of user defined functions?
2. What is array of pointer?
3. Distinguish between (*n)[10] and *n[10].
4. Explain value and address operator.
5. Define NULL pointer.
6. What is pointer?
7. What is UDF? List the parts of UDF.
8. What is difference between actual parameter & formal parameter?
9. What is divide & conquer?
10. What is modular programming?

Detailed Questions (4 to 10 marks each):

1. Explain different elements of functions.
2. Write a short note on pointer.
3. Explain function prototype in detail.
4. Explain pointer in detail with example.
5. Explain different categories of user defined functions in C.
6. WAP to accept 3 number & display maximum number from them using user defined function.
7. Explain call by value and call by reference with example.
8. What is recursive function? Write a program to find factorial of a number using recursion.
9. What is array? How can we pass character array to a function?
10. Explain pointer to an array.

Unit 4: File handling in C

Short Questions (1 to 3 marks each):

1. Explain fflush() .
2. Explain fscanf().
3. Explain EOF.

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4. Explain feof() and ferror() function.
5. List the types of files in C.
6. Explain rewind function.
7. Explain scanf() and fscanf().

Detailed Questions (4 to 10 marks each):

1. Explain sequential file handling in detail.
2. Explain read,write and append operations of file in detail.
3. Explain command line argument passing in detail.
4. Why file handling is required? How to define file? How to open and close file? Explain with proper example.
5. Explain fseek(),rewind(),ftell() function in detail.
6. Write a note on random file handling in C.
7. What is file? Explain reading & writing records in a file.

Unit 5: Other features of C

Short Questions (1 to 3 marks each):

1. Explain shift left operator.
2. Give difference between local & global variable.
3. Explain enum.
4. What is typedef?

Detailed Questions (4 to 10 marks each):

1. Explain storage classes .
2. Explain enum and typedef in detail.
3. Write a short note on bitwise operators.

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