Unit 1 :Introduction

Short Questions (1 to 3 marks each):

1. Explain #define preprocessor directives.
2. What is variable?
3. What is keyword?
4. How to write comment in C?
5. What is the use of main() in C program ?
6. What is flowchart?
7. Explain in brief interpreter.
8. What is variable?
9. Explain #include preprocessor directive.
10. Give the advantage of flowchart.
11. What is the difference between compiler & interpreter.
12. Why algorithm is required?
13. What is variable? Give the rules to create variable name.
14. What is the difference between #define and const keyword.
15. Give the symbols of drawing a flowchart.
16. Explain void main( ).
17. What is the difference between variable and constant?
18. What is symbolic constant?
19. What is compiler?
20. Define error.
21. What is debugging?
22. What is syntax error? Give an example.

Detailed Questions (4 to 10 marks each):

1. Write a short note on structured programming.
2. Explain C constant in detail.
3. Explain algorithm in detail.
4. Write a short note on data type of C.
5. Write a short note on basic structure of C program.
6. What is constant? How to create constant in C?
7. What ids difference between constant & variable?
8. What is flowchart? Explain it in detail. Also explain benefits and limitations of drawing flowchart.
9. Write a short note on debugging.

10. Write a short note on types of errors.

Unit 2: Expressions & Operators

Short Questions (1 to 3 marks each):

1. What is – operator?
2. Explain assignment operator.
3. Explain ?: conditional operator.
4. Explain : operator.
5. If a=5, then determine the value of m and a for the following expression: m=++a*5;
6. What do you mean by relational expression? Give example.
7. What do you mean by logical expression? Give example.

Detailed Questions (4 to 10 marks each):

1. Explain any two operators in detail.
2. what is operator? Explain any three in detail.
3. Differentiate between ++a and a++ (pre and post increment operator).
4. Differentiate between = and ==
5. Write a note on precedence of operator.

Unit 3: Input/Output Statements & Built-in Funtions

Short Questions (1 to 3 marks each):

1. Explain putchar( ) function.
2. Explain ceil() function.
3. What is the use of abs() and sqrt() function.
4. Explain getchar( ) function in detail.
5. State the output produced by the following printf statement
   printf ("%d \t %4.2f",1234,456);
6. How can we use putchar( ) to output multicharacter strings?

7. State the output produced by the following printf statement
   printf ("%d %d %f",10,'A',1.23);
8. How can we use getchar( ) to output multicharacter strings?
9. What is type casting?

Detailed Questions (4 to 10 marks each):
1. Explain conversion functions in detail..
2. Differentiate between getch( ) and getchar( ).
3. Explain printf( ) and scanf( ) in detail.
4. Explain string function in detail.
5. Write a short note on scanf( ) fintion in detail.
6. Explain strncat( ),strcmp( ),and strcpy () with example.
7. Write a note on formatted output.

Unit 4: Control Statements

Short Questions (1 to 3 marks each):

1. Explain use of break statement.
2. What is nested loop?
3. Which of the following cannot be checked in switch case?
   1) character   2) integer   3) float   4) enum
4. What is difference between break and continue?
5. What is infinite loop? Give example.
6. What is nested loop? Give example.

Detailed Questions (4 to 10 marks each):

1. Explain for loop in detail with example.
2. Explain if statement in detail with example.
3. Write a short note on do…while loop.
4. What is loop? Why it is required? Explain for loop in detail with example.
5. Explain break and continue statement.
6. Explain jumping statement in detail with example.
7. Differentiate between entry control loop & exit control loop.
8. Explain goto in detail.
9. Explain switch…case with example. Also explain use of default and break in switch…case statement.
10. Explain conditional statement in detail.

Unit 5: Arrays

Short Questions (1 to 3 marks each):

1. What is multidimensional array?
2. What is array?
3. What is string?

Detailed Questions (4 to 10 marks each):

1. Write a short note on array.
2. Define array. Explain one dimensional array in detail with example..
3. Explain one dimensional array in detail.
4. Write a short note on storage class.

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