

Problem Solving Using C

IMP Questions list Unit Wise

Note: ఇక్కడ మీరు బ్లోడ్ గా ఉన్న క్యూస్టన్స్ ముందుగా చదవాలి. తరువాత మిగతావి చదవాలి.

అన్ని క్యూస్టన్స్ ఒకసారి పబ్లిక్ ఎగ్జామ్స్ లో వచ్చినవే. ప్రోగ్రామ్స్ అన్ని నేర్చుకోండి

UNIT-I

1. What is an Algorithm explain its Features and advantages with an example. (Page 12)
2. Explain the features of C. (Page 19)
3. Explain Basic Structure of C programming with example. (Page 20)
4. What is token and explain the different tokens in C. (Page 22)
5. Data Types in C. (Page 24)
6. Operators in C/What is an operator and explain different types of operators? Pave (Page 29)
7. Explain some I/O Statements in C. (Page 34)

UNIT-II

1. Explain about Conditional Statements (Page 40)
2. Explain the syntax and example for switch statement in C.
3. What is Loop? Explain various looping statements. (Page 46)
4. Explain about Jumping Statements in C (Page 51)

UNIT-III

1. What is Array How to declare Arrays/ Explain all about Declaration, accessing elements of an Array. (Page 58)
2. What is a String? How to create ,access , initialize, read and print the string . (Page 64)
3. What is String? Explain various String Handling Functions in C. (Page 65)
4. Explain Character Functions in C (Page 67)

UNIT-IV

1. What is Function ? Explain function declaration, function call and definition in C/ What is function how to create functions in C. (Page 73)
2. Types of User Defined Functions/ Explain the categories of user defined functions. (Page 76)
3. Explain Function? Define call by value and call by reference? (Page 79)
4. What is Recursion? Explain (Page 80)

5. **What is Storage Class ?Explain it types .(Page 82)**
6. Explain scope of and lifetime of variables(Page 84)
7. **Write a short note on Pointer Arithmetic in C.(Page 90)**
8. **Explain Array of Pointers(Page 94)**
9. **Explain the Concept of Pointer to function.(Page 97)**
10. Write about Pointers/What is A Pointer? Explain its Features /Advantages. (Page 87)

UNIT-V

1. **Explain about dynamic memory allocation functions with examples.(Page 102)**
2. Explain memory Allocation types in C/ Explain about Memory management in C. (Page 100)
3. **What is a Structure, and explain its declaration and definition?(Page 107)**
4. **Write a Short notes on Unions. (Page 118)**
5. Difference between Structure and Union.(Page 120)
6. **Explain the procedure to pass a structure variable to function an parameter?(Page 115)**
7. **What is a file and explain some file related function /File handling functions in C.(Page 122)**
8. Explain some text file related functions .(Page 125)

IMP Programs

1. Write a program to check the given no prime number or not. Page-
2. write a C program to check whether the given number is Armstrong or not. Page-
3. Write a program to check whether given number is palindrome or not. Page-
4. Write a program to check whether given String is palindrome or not. Page -
5. Write a program to print Fibonacci series. Page -
6. Write a program to calculate factorial of a given number using recursion. Page -(or read in Recursion function topic)
7. *Write a Program which perform Searching (linear) operation.* Page -
8. *Write a Program which perform Sorting (bubble sort) operation.* Page-
9. Write a program to Addition Two Matrices (Matrix Addition on 2D). Page-
10. Write a program to to Multiply Two Matrices- Page-
11. Calculate Length of String without Using strlen() Function. Page-
12. Find the Length of Array. Page-
13. To check if a given string is palindrome or not Without Using String Functions and with suing string function (2 programs) –Page-
14. Swapping two numbers without using third variables and without using third variable.
15. Create a simple database (Student Database) using in Files