

Shastri 3rd year 6th Sem Question Bank

Questions on Introduction to C language (Programming, Data types, Variables, Constants, Loops, Decision statements):

1. What is C language?
2. Who developed C language?
3. Describe about history of C programming language.
4. What are ASCII codes?
5. What is the extension of a source file in C?
6. Where is C programming language used or uses of C language?
7. What is the difference between top down approach and bottom up approach in programming languages?
8. C language has been developed in which language?
9. What is meant by programming language and give some examples?
10. Which level is C language belonging to?
11. What do you mean by high level, middle level and low level languages and give an example for each?
12. What is the difference between assembler, compiler and interpreter?
13. What is printf()?
14. What is scanf()?
15. Every statement in C language ends with a.....symbol.
16. Execution of a C program starts from which function?
17. What is the use of main() function in C?
18. What are all the sections that a C program may have and must have?
19. What is header file in C language?
20. Is C language case sensitive?
21. What is data type in C?
22. What are Constants, Variables and Keywords? Give examples.
23. What are Global and local variables in C?
24. What are static variables?
25. What is operator in C?
26. What are all loop control statements in C?
27. Write the difference between GoTo, Exit, Continue and Break statements.
28. What is the difference between while and do-while loops in C?
29. What is the difference between array and string in C?
30. What are nested if-else statements?

Questions on Pointers and linked list:

31. What is "&" and "*" operators in C?
32. What is pointer in C?
33. What is the difference between pointer and array in C?
34. What are linked lists?

Questions on Website Publishing:

1. Define Domain Name.
2. Write and explain the steps in website publishing.
3. What is the difference between domain name registration and web hosting?
4. Explain the statement "Maintenance of websites is essential".

Programs in C:

1. Write a program in C to accept 10 numbers and display the highest and lowest of them.
2. Write a program in C to convert the decimal number in to binary number.
3. Write a program in C to find out the sum of digits of any number.
4. Write a program in C to print your names 500 times.
5. Write a program in C to find out the area of a circle.
6. Write a program in C to print all the numbers from 1 to 100 which are divisible by number 7.
7. What will be the value of a & b after the execution of the following program:

```
main()
{
    static a,b ;
    While (a > b++)
}
```

8. What will be the value of c after the execution of the following program:

```
main()
{
    int c;
    float a,b;
    a= 245.05;
    b=40.02;
    c=a+b;
}
```

9. Write the function in C language to insert elements in a linked list.
10. Write a program in C language to swap the value of two variables using pointers.