Assignment 1 and 2

1. What do you mean by term “Data type”? Explain any four data types with examples.
2. Write down the rules used for creating variable and constants in C?
3. What do you mean by ‘Recursive Functions?WAP to calculate Xy using recursion
4. What are logical and relational operators?
5. Difference between call by value and call by reference
6. Write the rule for naming identifiers.
7. Differentiate between various pre/post increments and pre/post decrement operator.
8. What is ternary operator? Explain by writing a program to input and compare three integers and Print the maximum and minimum of the three
9. Explain the purpose of various loop control and decision control structures in C Using example
10. What arte Storage Classes in C. Explain their concept and usage with the help of user Defined function?
11. Explain the concept of “Preprocessor Directive”? Differentiate the simple macro, macro with argument and control directives with examples?
12. Write short note on each :-(i) Array of pointers (ii) Pointer to Array
13. What is pointer arithmetic explain with example
14. WAP to read ten integers using array and print total number of positive and negative number in it .
15. WAP to find reverse of number and transpose of 3\*3 matrix using functions.
16. Explain the concept of static variable with the help of suitable example.
17. WAP to swap two integers without using third variable
18. Explain the working of Switch-Case-Default using suitable example code. Also comment on “Switch-Case is an exact replacement of if-else construct.
19. What is a function? What are advantages of Modular Programming?
20. Can a function in C return more than one value? If yes than how.
21. Discuss the features of user-defined functions?
22. Explain the different types of user-defined functions.
23. Explain in detail about the looping structures with examples.
24. How does break and continue effect control transfer in looping structures explain with example.
25. Explain in detail about expressions with examples