Tutorial 2

1. '*C language is a middle level language*'. Explain this statement.
2. '*C is considered as one of the most popular programming language today*'. Justify the importance of C in your own words.
3. What is flow charting, describes its importance. How does it help a programmer?
4. What are the steps the programmer should follow while solving problem using computer?
5. Describe the basic structure of C program.
6. What are the **identifiers**? Write down the **rules for identifiers**.
7. What are constant and variables?
8. Differentiate between **variables** and **constant**?
9. Differentiate between **variables** and **keywords**?
10. What is C input output functions? Differentiate between formatted input out and unformatted input output functions.
11. What are **C operators**? Explain unary, binary and ternary operators in details.
12. What do you mean by conditional operator? Differentiate between **assignment** and **equality** operator.
13. Differentiate between **system software** and **application software**.
14. What is the difference between **debugging** and **testing**?
15. Differentiate between **logical error** and **syntax error**.
16. Differentiate between **compiler** and **interpreter**.
17. What are **C character sets**?
18. Differentiate between **high level programming language** and **low level programming language**.
19. What is high level language? Write different types of high level language programming.
20. What is **pseudo code**? How is it different from **algorithm**?
21. What is **data type**? Explain basic data types available in C.
22. What are C **preprocessor directives**?
23. What do you mean by increment /decrement operator? Differentiate between **pre increment** and **post increment** with suitable examples.
24. What do you mean by **expression in C**?
25. What do you mean by **comment in C**? Differentiate between **single line comment** and **multiline comment**.
26. What are the rules for declaring variables? Differentiate between **local variables** and **global variables** with examples.
27. What are basic **building blocks of C programming**?
28. What are **C escape sequences** with their function?
29. What is the difference between **character** and **string** in C? Explains different types of constant in detail.
30. Differentiate between **machine language** and **assembly language**.

Last Date of Submission: **Mangsir 24, 2074**