**Assignment - 1**

**Subject: Introduction to Computer Programming (CS-111)**

Sem: I- Sem BS(ICAS) Max. Marks: 05M

**Answer all the questions.**

1. What is a Computer? Briefly describe key characteristics of a Computer.
2. With a neat sketch, explain the system unit.
3. Write the functions of Control Unit.
4. Explain memory hierarchy. Compare cache, ROM and register.
5. What are preprocessor directives and what are their utilities?
6. Differentiate between system and application software.
7. Define Operating system. What are the functionalities of an OS?
8. Explain the different symbols used in flowchart. Give an example of greatest among three numbers.
9. List out features of algorithm and steps to evolve an algorithm.
10. Differentiate between data and information.
11. Write an algorithm and flowchart to find roots of quadratic equation.
12. Write a program to read three values from the keyboard and printout the largest and smallest of them without using if statement.
13. Explain tokens in c++. Give example for each.
14. Explain the Basic structure of C/C++ program with an example.
15. Write short notes on ASCII code.