

### **Assignment 1(Submission date:-08/09/17)**

1. Explain different features of C language.
2. Explain life cycle of a C Program.
3. Differentiate between identifier, variable and keywords.
4. What is a data type in C. Why is it required? Explain declaration of a c variable.
5. Explain structure of a C program with an example.
6. What is a bit? Give relation between bit, byte, MB,TB,PB.
7. What is the need for type casting. Differentiate between internal and external type casting with examples of each.
8. What is a flowchart. Explain different types of flowcharts. What are the advantages of using flowcharts.
9. What are preprocessors in C? What is the need of header files.
10. How will you document a C program. What are the advantages of documentation of a program.

### **Assignment 2(Submission date:-13/09/17)**

1. Explain different units of a computer system with a well defined block diagram.
2. Explain any 5 input and output devices. Differentiate: application and system software with examples.
3. What is the difference between impact and non impact printer.
4. Give difference between compiler, assembler and interpreter.
5. Give difference between High Level, Low level and Middle level language.
6. How data is stored in RAM and a Hard disc.
7. Give differences between memory and storage with examples.
8. Define Networks. Explain LAN, MAN and WAN.
9. What is network topology? Explain the following topologies:  
BUS or linear, STAR, RING, MESH, TREE.

10. What is an operating system? What are the different functions performed by an operating system.