

Computer Systems and Programming In C (RCS-101)

Assignment 1.1

1. Define digital computer system. Explain its various units along with a neat diagram.
2. Give the various applications of computers (atleast 10).
3. Write a short note on classification of computers.
4. Explain evolution of computers (Generations of computer)
5. Explain various types of computer languages.
6. What is an operating system? Write the services and functionalities provided by operating systems.
7. Write notes on following operating systems:
 - a. Microsoft DOS
 - b. Microsoft Windows
 - c. Linux
 - d. Android
8. Explain the following terms
 - a. RAM
 - b. Cache Memory
 - c. Compiler
 - d. Interpreter
 - e. Linker
 - f. Loader
 - g. Analog and Hybrid computers
 - h. Firmware
9. Write a short note on approaches to problem solving.
10. Explain memory hierarchy in computers.