

**Fundamental of computer programming & information technology
(CS-101, May-2006)**

Note: Section A is compulsory. Attempt any five questions from section B & C taking at least two questions from each part.

Section-A

1. a) What are the features of Von-Neuman Machine?
- b) How many memory chips of 1K x 8 bit are required to construct 8K x 8 bit Memory?
- c) What are the 2-main difference between MS-DOS and Window Operating Systems?
- d) What are the types of commands in Windows to create a document?
- e) Give the precedence of C++ Operations?
- f) What are the features of object oriented Programming Language?
- g) What is meant by operator overloading in C++?
- h) Distinguish between single and multiple inheritance.
- i) Mention any four applications of Information Technology?
- j) What is URL? What is relevance to Internet?

Section-B

2. With a neat sketch explain the basic structure of computer.
3. (a) Distinguish between semi-conductor and Magnetic memories.
(b) Give the construction of Floppy-Disc memory.
4. Mention the features of mail merge, spell check reference to MS-word.
5. What are the features of windows operating system?

Section-C

6. Write a C++ program to multiply two 3 x 3 matrices.
7. With the help of functional over loading implement complex addition.
8. Write a C++ program which reads input from a File DING.cpp to count number characters and words of the file.
9. Write briefly about program development tools.