

**Fundamental of computer programming & information technology
(CS-101, Dec-2007)**

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) Write down the relative merits and demerits of different storage devices.
- b) Can cascading of input & output operators is possible? If yes, explain how?
- c) Differentiate object-based language & object oriented language.
- d) Is reference to a reference allowed? Comment.
- e) Differentiate between late binding & the early binding.
- f) What advantages are there in allowing identifiers with long names?
- g) How array can be passed to the function?
- h) How does pointer work with two dimensional arrays?
- i) Explain the redirection & command line argument.
- j) How does an append mode differ from a write mode?

Section-B

2. (a) How can we merge a file using mail merging?
(b) What are the minimum hardware requirements to install MS-Office?
3. Write a program that will read a value from the keyboard as temperature in Fahrenheit and display it in Celsius.
4. Write a C++ program to find the sum of n integers starting from mth integer.
5. (a) Differentiate between input screen & output screen.
(b) Explain the features of the <isostream.h> & <fstream.h> header files used in C++.

Section-C

6. Write a C++ program to reverse a numeric array by using pointers.
7. Write a C++ program to illustrate the concept of abstract class & pure virtual function.
8. (a) What are the methods of detecting end of life?
(b) Differentiate between get () and put () function.
9. How a prototyping paradigm helps in object oriented analysis & design?