

**BACHELOR IN COMPUTER
APPLICATIONS****Term-End Examination****June, 2007****CS-611 : COMPUTER FUNDAMENTALS
AND PC SOFTWARE***Time : 2 hours**Maximum Marks : 60*

Note : Question number 1 is **compulsory**. Attempt any **three** questions from the rest.

1. (a) Explain the Von Neumann architecture of a computer with the help of a diagram. 5
- (b) Define computer virus. How do they infect and spread in a computer system ? Explain at least three categories of viruses on the basis of their mode of existence. Give three examples of computer viruses. 8
- (c) What are Screen Savers ? Write steps to set-up a screen saver for your computer. 5
- (d) What are Macros ? Mention the uses of macros. Write steps for recording and running a macro with the help of an example. 6

- (e) Write the steps involved in creating a presentation using Powerpoint to include the following tasks and by selecting the corresponding slide layout(s) : 6
- (i) To include a title for the presentation
 - (ii) To include a chart and text on the same slide
 - (iii) Bulleted lists
 - (iv) Media clip and some text
 - (v) Text over some objects
 - (vi) Text in the form of columns
2. (a) What are Document Templates ? List their uses. Explain the format of at least three commonly used document templates and write the steps to use them in your document. 5
- (b) What do you understand by formatting a disk ? Write steps for formatting a disk and explain the various options for formatting a disk. 5
3. (a) Differentiate the following : 5
- (i) Volatile and Non-volatile memory
 - (ii) Magnetic disk and Magnetic tape
- (b) List all the layers in OSI reference model. Also, explain the functions and services offered by each and every layer. 5

4. (a) What is an operating system ? Mention the types of operating systems and explain any two of them in detail. 5
- (b) Explain the two different ways by which you can connect to the network. 3
- (c) Explain any two different ways of protecting the Word-document. 2
5. (a) Explain the measures to be taken to provide network security. 4
- (b) What is the function of the Briefcase in Windows 95 ? Explain the steps to use the Briefcase. 3
- (c) With the help of a diagram, explain the synchronous and asynchronous mode of transmission. 3

