

**BACHELOR OF COMPUTER APPLICATIONS  
(PRE - REVISED)**

**Term-End Examination**

**June, 2014**

**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) Describe the key concept and important features of a conventional Von Neumann machine with the help of a diagram. 5
- (b) What are the different layers (types) of software used in computer systems ? Distinguish between systems and application programs giving two examples of each. 9
- (c) What are files ? Name any three types of files, describing the type of information they can hold and the respective extensions they can have. 4
- (d) Describe the utility of the following tools : 12
- (i) Spell Checker
  - (ii) Search
  - (iii) Headers and Footers
  - (iv) Document Templates

2. (a) What is the use of a Briefcase in Windows 95 ? 3
  - (b) Describe the various change case options in MS-Word. 3
  - (c) What are Trojans and Worms ? Give one example of each. 4
  
  3. (a) What are Macros ? Write steps for recording and running a macro. 6
  - (b) Compare and contrast synchronous and asynchronous transmission. 4
  
  4. (a) What is a programming language ? Describe any four elements of a programming language. 5
  - (b) Name the multimedia tools available in Windows 95. Explain any two. 5
  
  5. (a) What is Cryptography ? Describe the encryption and decryption process with a diagram. Describe the DES algorithm. 7
  - (b) What is Graphical User Interface (GUI) ? What are advantages of using Graphical User Interfaces (GUI) ? 3
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