

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

Term-End Examination

December, 2012

**CS-611 : COMPUTER FUNDAMENTALS
AND PC SOFTWARE**

Time : 2 hours

Maximum Marks : 60

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

1. (a) Describe the basic structure of a conventional Von Neumann computer with the help of a diagram. 8
- (b) What is cache memory ? Explain advantage of cache memory. 4
- (c) What is synchronous data communication? How it is different from asynchronous data communication ? 6
- (d) What is cryptography ? Explain encryption and decryption process in cryptography. 6
- (e) List any three commonly used Accessories of windows. Also explain use of Paint application. 3
- (f) What is Internet ? List advantages of Internet. 3

2. (a) What is parallel processing ? Explain the Flynn's classification of parallel computer. 5
- (b) What is Screen Saver ? Explain how to setup a Screen Saver. 5
3. (a) What are different types of text alignment in MS-Word ? Explain how to right align a paragraph. 5
- (b) Differentiate between the following : 5
- (i) Circuit Switching Versus Packet Switching.
- (ii) Bridges Versus Routers.
4. (a) Explain the uses of the following with the help of an example each : 6
- (i) Array
- (ii) Subroutine
- (iii) For loop
- (b) What is need of data backup ? Explain BACKUP utility of WINDOWS. 4
5. Explain the following terms : 10
- (a) GUI
- (b) I/O device
- (c) Power Point Presentation
- (d) E-mail
- (e) RISC