

**BACHELOR OF COMPUTER APPLICATIONS  
(BCA) (Pre-Revised)**

00833

**Term-End Examination**

**December, 2018**

**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) Explain memory hierarchy in a computer system with the help of a diagram. 5
- (b) Explain how an organisation chart is created in a PowerPoint presentation. 5
- (c) What is Cryptanalysis ? Explain the steps involved in cryptanalysis. 6
- (d) Explain 'System Call'. How is it different from the call to a library function ? 4
- (e) Differentiate between Ink-Jet printer and Laser printer. 5
- (f) Write the characteristics of RISC architecture. 5

2. (a) Explain two differences between multiprogramming and multitasking. Also, give an example each of a multiprogramming and a multitasking operating system. 5
- (b) What is Electronic Data Interchange (EDI) ? Explain any two benefits of EDI. Also, list four applications of EDI. 5
3. Explain the following : 10
- (a) Hard Disk
- (b) LAN
- (c) Super-computer
- (d) Compiler
- (e) Scanner
4. (a) What is Computer Security ? Explain any three breaches of Computer Security. 6
- (b) What is the difference between LAN and WAN ? 4
5. Write short notes on the following : 10
- (a) Cache Memory
- (b) File Naming Convention in Windows
- (c) Computer Virus
- (d) E-mail
-