

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

**Term-End Examination**

**June, 2018**

00505

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

*Time : 2 hours*

*Maximum Marks : 60*

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

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1. (a) Define Parallel Processing. Briefly explain the four categories of parallel computers as given by M.J. Flynn. 5
- (b) What are Computer Viruses ? Explain the various categories of viruses. 5
- (c) What is Mail-Merge feature in MS-Word ? Write the steps for creating a document using Mail-Merge. 8
- (d) What is Network Topology ? Explain the advantages and disadvantages of any two network topologies. 8

- (e) Write the steps involved in creating a PowerPoint presentation to perform the following tasks : 4
- (i) Add a video clip in the PPT file.
  - (ii) Add an MS-Excel sheet in the PPT file.
2. (a) Explain memory hierarchy in a computer system with the help of a diagram. 5
- (b) Write the differences between application software and system software. 5
3. (a) What is Vector Processing ? List the areas where vector computers are required. Explain a commercial computer that works on vector instructions. 5
- (b) Explain the use of any five Windows-95 accessories. 5
4. (a) Write any two differences between the following : 6
- (i) RISC and CISC
  - (ii) Parallel and Serial transmission
  - (iii) Analog and Digital transmission
- (b) What is Cache Memory ? Explain the advantages of cache memory in a computer system. 4

**5. Write short notes on the following :**

**10**

(a) Packet Switching

(b) GUI

(c) EDI

(d) CSMA/CD

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