

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

**Term-End Examination**

00690

December, 2017

**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) Explain the role of ROM and RAM in a computer system. Also write any two differences between PROM and EPROM. 6
- (b) Differentiate between the working of Interpreters and Compilers. Also compare Assembler and Interpreter. 8
- (c) Write the steps involved in creating a PowerPoint presentation to perform the following tasks : 8
  - (i) Change the master slide of a given PPT file
  - (ii) Add slides from another PPT file
  - (iii) Change the presentation slide layout
  - (iv) Include the current date and time in the presentation

- (d) List the layers of an OSI model. Briefly explain the significance of each layer of the OSI model. 8
2. (a) Discuss the use of 'disk fragmentation' and 'disk cleanup' utilities of Windows-95 operating system. 5
- (b) Explain the basic architecture of a conventional von Neumann machine, using a diagram. 5
3. (a) Describe the importance of tables in MS-Word. Write the steps for performing the following tasks : 6
- (i) Creating a table of 5 columns and 10 rows in an MS-Word file
- (ii) Sorting and numbering cells
- (b) Briefly explain the four categories of programming languages. 4
4. (a) How is WAN different from LAN ? Discuss the three communication switching techniques used in WANs. 5
- (b) What is a macro ? Write the steps for recording, running and editing a macro. 5

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

$$4 \times 2 \frac{1}{2} = 10$$

- (a) Parallel Processing
  - (b) Cryptography
  - (c) Mail Merge
  - (d) Multimedia Tools
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