

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

00189

**Term-End Examination**

**December, 2016**

**CS-611(S) : 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) What is a computer ? Briefly explain the structure of a computer. 6
- (b) Define network topology. Explain the advantages of bus topology. 6
- (c) Explain the differences between system software and application software. 4
- (d) What is GUI ? Explain its advantages over command driven interface. 4
- (e) Briefly explain any five settings that can be changed using the Control Panel of MS-Windows. 5
- (f) Explain how an organization chart is created in PowerPoint Presentations. 5

2. (a) What is an operating system ? Explain any two advantages of Distributed Operating System. 5
- (b) Explain circuit switching and message switching. 5
3. (a) What is computer security ? Explain any two breaches of computer security. 5
- (b) Explain the need of a compiler. How is an interpreter different from a compiler ? 5
4. (a) What is cryptography ? Briefly explain the encryption process. 6
- (b) Explain how a mouse can be used as an input device to perform various operations. 4
5. Explain any *four* of the following with the help of examples (if needed) :  $4 \times 2 \frac{1}{2} = 10$
- (a) RAM
- (b) 4G Languages
- (c) Multimedia
- (d) Macro in MS-Word
- (e) Integrated Circuits
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