

**BACHELOR OF COMPUTER APPLICATIONS**

**(BCA) (Pre-Revised)**

**TERM-END EXAMINATION, 2019**

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

**Time : Two Hours]**

**[Maximum marks : 60**

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**Note : Question no.1 is compulsory. Attempt any three questions from the rest.**

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1. (a) What are Communication channels in Networking ? List any two Transmission media and describe their features in detail. [6]
- (b) Write Step-by-step procedure to execute the following activities in WINDOWS. [9]
- (i) Add/Remove application
  - (ii) Controlling Access to files, folders
  - (iii) To record, play and edit sound files
- (c) Explain any two Multimedia tools in WINDOWS along with one use of each and the types of files they support. [6]

- (d) With the help of suitable diagrams explain the Concept of simplex, half duplex and full duplex communication. [9]
2. (a) Explain the working mechanism of Pipelining. How does pipelining improve system throughput? [6]
- (b) What is EDI ? Explain benefits of EDI with the help of an example. [4]
3. (a) Differentiate between Application Software and System Software. [5]
- (b) What is the purpose of Printer ? Explain the working of Ink-jet and Laser Printers. [5]
4. (a) What are the four measures that one should take to ensure that data does not get corrupted ? Also mention three measures needed for providing physical security to the Computer system. [7]
- (b) What is SCANDISK ? Describe its syntax and function. [3]

5. What is OSI model of the Network ? Describe the functions of the Seven layers of the OSI model with the help of a diagram. [10]

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