

**S.D.E.**  
**B.C.A. SEM – I (CBCS - 2018 Course) : WINTER - 2018**  
**SUBJECT: FUNDAMENTALS OF INFORMATION TECHNOLOGY**

**Day:** Wednesday  
**Date:** 28/11/2018

**Time:** 02.00 PM TO 05.00 PM  
**Max. Marks:** 70

**W-2018-4495**

**N.B:**

- 1) Attempt **ANY FOUR** questions from Section –I and Attempt **ANY TWO** questions from Section-II.
- 2) Answers to both the sections should be written in the **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.

**SECTION-I**

- Q.1** “Computer plays an important role in any organization”. Justify. **(10)**
- Q.2** List and explain various output devices in brief. **(10)**
- Q.3** Explain how primary storage is different from secondary storage? Explain magnetic disk in brief. **(10)**
- Q.4** Define operating system and state its functions in brief. **(10)**
- Q.5** What is software? Explain application software with proper example. **(10)**
- Q.6** Write short notes on **ANY TWO** of the following: **(10)**
- a) Types of computer
  - b) Network Types
  - c) File organization

**SECTION-II**

- Q.7** Convert the following: **(15)**
- |                            |                           |
|----------------------------|---------------------------|
| i) $(810)_{10} = (?)_{16}$ | iv) $(1010)_{16} = (?)_2$ |
| ii) $(702)_8 = (?)_{10}$   | v) $(11101)_2 = (?)_8$    |
| iii) $(123)_{10} = (?)_2$  |                           |
- Q.8** ABC wants to design a network for its organization. Suggest suitable transmission medias with its merits and demerits. **(15)**
- Q.9** Write an algorithm and draw flowchart to print multiplication table of a given number. **(15)**

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