

S.D.E.

B.C.A. SEM – I (CBCS - 2018 Course) : SUMMER - 2019

SUBJECT: FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day: Thursday
Date: 02/05/2019

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

S-2019-4942

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 *SAME* answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION-I

- Q.1 Define computers. Explain various blocks of computer with suitable diagram. (10)
- Q.2 List and explain various input devices in brief. (10)
- Q.3 What is secondary storage? Explain any two secondary storages in brief. (10)
- Q.4 Explain High Level Language and Machine Language with its advantages and disadvantages. (10)
- Q.5 Explain in detail various transmission medias in brief. (10)
- Q.6 Write short notes on **ANY TWO** of the following: (10)
- a) Characteristics of computer
 - b) Application software
 - c) Modem

SECTION-II

- Q.7 Convert the following: (15)
- | | |
|----------------------------|--------------------------|
| i) $(1111)_2 = (?)_{16}$ | iv) $(A12)_{16} = (?)_8$ |
| ii) $(112)_8 = (?)_2$ | v) $(100)_{10} = (?)_8$ |
| iii) $(1111)_2 = (?)_{10}$ | |
- Q.8 Balaji Enterprises wants to design a network for their organization. Suggest an appropriate network types with its features, merits and demerits. (15)
- Q.9 Write an algorithm and draw flowchart for addition of 10 numbers. (15)

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