

S.D.E.
B.C.A. (2004 Course Sem- I : SUMMER - 2019
SUBJECT : FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Thursday
Date : 02/05/2019

S-2019-4953

Time : 02.00 PM TO 05.00 PM
Max. Marks : 80

N.B.:

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

SECTION – I

- Q.1** “Computer is an integral part of any organization”. Justify. [10]
- Q.2** What is Input? Explain in detail various input devices of computer. [10]
- Q.3** What is Secondary Memory? Explain in detail any two secondary storage devices. [10]
- Q.4** Explain Assembly Language in detail with its advantages and disadvantages. [10]
- Q.5** Define Operating System. Explain in detail Batch and Multiprogramming Operating System. [10]
- Q.6** Explain in detail any two ‘Generations of Computer’. [10]
- Q.7** Write short notes on **ANY TWO** of the following: [10]
- a) Distributed Computer System
 - b) Unix Operating System
 - c) Memory Cell

SECTION – II

- Q.8** Convert the following: [15]
- a) $(B10)_{16} = (?)_{10}$ c) $(1010)_2 = (?)_{10}$ e) $(1101)_2 = (?)_8$
b) $(510)_8 = (?)_2$ d) $(910)_{10} = (?)_{16}$
- Q.9** Explain in detail file organization and accessing techniques with proper example. [15]
- Q.10** a) Do the following Binary Arithmetic: [08]
- i) $110110110 + 101110$ iii) $11111010 + 1001$
ii) $1000110 + 1111111$ iv) $1011100 + 1111$
- b) What is Primary Memory? Explain various primary memories available for computer system. [07]