

S.D.E.
B.C.A. (2004 Course Sem- I : WINTER - 2018
SUBJECT : FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Wednesday
Date : 28/11/2018

W-2018-4500

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 **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** What is Computer? Explain in detail various applications of computer. [10]
- Q.2** What is Output? Explain in detail various output devices of computer system. [10]
- Q.3** What is Memory? Differentiate primary memory with secondary memory. [10]
- Q.4** Explain in detail Higher Level Language with its advantages and disadvantages. [10]
- Q.5** “Operating system plays an important role in computer system”. Justify with example. [10]
- Q.6** Explain in detail various Types of Computer. [10]
- Q.7** Write short notes on **ANY TWO** of the following: [10]
- a) Characteristics of Computer
 - b) CDROM
 - c) First Generation of Computer

SECTION – II

- Q.8** Convert the following: [15]
- | | | |
|---------------------------|-------------------------|-------------------------|
| a) $(11101)_2 = (?)_{10}$ | c) $(111)_8 = (?)_{10}$ | e) $(A10)_{16} = (?)_8$ |
| b) $(1201)_8 = (?)_{16}$ | d) $(101)_{10} = (?)_2$ | |
- Q.9** Explain in detail various file handling functions with proper example. [15]
- Q.10** a) Do the following Binary Arithmetic: [08]
- | | |
|-------------------|----------------------|
| i) $1001 - 11$ | iii) $110010 - 1111$ |
| ii) $1111 - 1001$ | iv) $11110 - 100$ |
- b) Explain in detail Hard Disk as a secondary storage device. [07]

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