

S.D.E.

B.C.A. (2004 COURSE SEM-I : WINTER - 2017

SUBJECT: FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Tuesday
Date : 12/12/2017

Time : 10.00 AM TO 1.00 PM
Max. Marks : 80

W-2017-4147

N. B. :

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

SECTION - I

- Q.1** What is data processing? Differentiate between data information? Which is more useful to people & why? (10)
- Q.2** What is input interface? How it differ from an output interface? (10)
- Q.3** Convert the following number to decimal (10)
- i) 110110_2
 - ii) $2A3B_{16}$
 - iii) 2573_6
 - iv) 1234_9
 - v) 111.02_2
- Q.4** Add binary number 1010110_2 and 1011010_2 and Subtract binary number 0110111_2 and 1101110_2 (10)
- Q.5** List main advantages and disadvantages of magnetic tape as secondary storage devices? (10)
- Q.6** What are input devices? List all input devices? Explain any two from these input devices? (10)
- Q.7** What is software? Explain the different types of software? (10)

SECTION - II

- Q.8** What is a sequential access storage device? Write example of few applications for which such storage devices is suitable & why? (15)
- Q.9** What is multiprogramming and time sharing operating system? List some advantages of time sharing operating system? (15)
- Q.10** Write short note on **ANY THREE** of the following : (15)
- a) Use of Internet
 - b) File access methods
 - c) Track Ball
 - d) Inject Printer

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