

BACHELOR OF COMPUTER APPLICATIONS (C.B.C.S.) (2014 COURSE)

B.C.A. Sem-I : : SUMMER - 2022

SUBJECT : FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Wednesday
Date : 01-06-2022

S-10936-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.:

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

SECTION-I

- Q.1** Define computer. Explain in detail various applications of computer. (15)
- Q.2** What is input device? Explain in detail various input devices of computer system. (15)
- Q.3** Explain role of primary and secondary storage in computer system with proper example. (15)
- Q.4** What is software? Explain in detail higher level language and machine level language with its merits and demerits. (15)
- Q.5** Define operating system. Explain any two types of operating system. (15)
- Q.6** What is file organization? Explain in detail various types of file with proper example. (15)
- Q.7** Write short notes on **ANY THREE**:- (15)
- a) Generations of computer
 - b) Printer
 - c) DBMS
 - d) Compilers and Interpreters

SECTION-II

- Q.8** Convert the following: (20)
- a) $(1001)_2 = (?)_8$
 - b) $(107)_8 = (?)_2$
 - c) $(510)_{10} = (?)_{16}$
 - d) $(110)_{16} = (?)_2$
- Q.9** Explain various steps involved in MS- power point presentation. (20)
- Q.10** What is network? Explain in detail various data transmission media available for network. (20)

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