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BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)
B.C.A. Sem-I : WINTER- 2022
SUBJECT : FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Thursday

Time : 10:00 AM-01:00 PM

Date : 8/12/2022

W-18751-2022

Max. Marks : 60

N.B.:

- 1) **Q. No. 4** from Section –I is **COMPULSORY**.
 - 2) Answer any **TWO** questions from Questions **1, 2 & 3** in **Section –I**.
 - 3) Answer any **TWO** questions from Questions **5, 6 & 7** in **Section –II**.
 - 4) Figures to the right indicate **FULL** marks.
 - 5) Answers to both the sections should be written in **SAME** answer book.
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SECTION-I

- Q.1** Define computer. Draw a block diagram of computer and explain each component in detail. (12)
- Q.2** a) What is input device? Explain in detail any two input devices. (06)
b) Explain Assembly language with its merits and demerits. (06)
- Q.3** a) Define computer. Explain its various characteristics in brief. (06)
b) What is network topology? Explain any three topologies with suitable diagram. (06)
- Q.4** Write short notes on any **THREE** of the following: (12)
- a) File organization
 - b) Internet
 - c) Generations of computer
 - d) Printers

SECTION-II

- Q.5** Convert the following: (12)
- a) $(1000)_2 = (?)_{16}$
 - b) $(672)_{10} = (?)_2$
 - c) $(2AD)_{16} = (?)_8$
 - d) $(746)_8 = (?)_{10}$
- Q.6** What is secondary storage? Explain magnetic disk as a secondary storage. (12)
- Q.7** What is Software? Explain in detail Application software and System software with proper example. (12)

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