BACHELOR OF COMPUTER APPLICATIONS (C.B.C.S.) (2014 COURSE)
B.C.A. Sem-I : WINTER- 2022
SUBJECT : FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Monday   Time : 10:00 AM-01:00 PM

Date : 12/12/2022   **W-10936-2022**   Max. Marks · 100

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, draw a block diagram of computer and explain each unit in detail. **(15)**

Q.2 What is output device? Explain in detail various output devices of computer system. **(15)**

Q.3 Explain in detail various primary storages available for computer system. **(15)**

Q.4 Define operating system. Explain various functions of operating system in brief. **(15)**

Q.5 Explain with proper example Assembly language and Machine language of computer system. **(15)**

Q.6 Explain data storage hierarchy and various methods of organizing data. **(15)**

Q.7 Write short notes on **ANY THREE**:- **(15)**
a) Capabilities and limitations of computer
b) Pointing devices
c) Magnetic Tape
d) DBMS

SECTION-II

Q.8 Convert the following: **(20)**
a) $(111)_2 = (?)_8$
b) $(107)_8 = (?)_2$
c) $(101)_{10} = (?)_{16}$
d) $(B10)_{16} = (?)_2$

Q.9 Explain various features of MS- Word in brief. **(20)**

Q.10 Define Network. Explain in detail various topologies of LAN with suitable diagram. **(20)**

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