

CDOE
BACHELOR OF COMPUTER APPLICATIONS (CBCS-2019 COURSE)
B.C.A. SEM-I : WINTER :- 2021
SUBJECT: FUNDAMENTALS OF INFORMATION TECHNOLOGY

Day : Monday
Date 7/2/2022

W-21509-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.:

- 1) Q. 4 from section I is COMPULSORY.
- 2) Solve ANY TWO from Q. 1 to Q. 3 in Section I.
- 3) Solve ANY TWO from Q. 5 to Q. 7 in Section II.
- 4) All questions CARRY EQUAL marks.
- 5) Answer to Both sections should be written in SAME answer book.

SECTION - I

Q.1) Answer the following: (6 Marks X 2 = 12)

- a) What is computer? Draw a block diagram of computer and explain each unit in detail.
- b) What is Non positional number system? Explain in detail with proper example.

Q.2) Answer the following: (6 Marks X 2 = 12)

- a) Explain in detail plotter, sound card and monitor as a output devices.
- b) Explain in detail RAM, ROM, PROM, EPROM, and EEPROM.

Q.3) Answer the following: (12 Marks X 1 = 12)

What is software? Explain in detail system software with proper example.

Q.4) Write short notes on the following: Attempt ANY TWO (6 Marks X 2 = 12)

- a) 2's Complements
- b) Assembly Language
- c) File organizations

SECTION - II

Q.5) Answer the following: (12 Marks X 1 = 12)

Convert the following

- 1) $(11100)_2 = (?)_{10}$
- 2) $(110B)_{16} = (?)_{10}$
- 3) $(111)_8 = (?)_{10}$
- 4) $(848)_{10} = (?)_2$

Q.6) Answer the following: (12 Marks X 1 = 12)

Explain in detail various features of Ms Word along with process of Mail Merge.

Q.7) Answer the following: (12 Marks X 1 = 12)

ABC Corporation has various 10 offices in Pune city. They want to do network for sharing data, cost cutting and better communication.

Suggest appropriate Network type with its advantages and disadvantages.
