



DHAKA CITY COLLEGE

DEPARTMENT OF BUSINESS ADMINISTRATION - BBA PROGRAM

FIRST YEAR, SECOND SEMESTER

BATCH – 24, SESSION: 2021 – 2022

MIDTERM-I EXAMINATION, 2023

COURSE TITLE & CODE: COMPUTER & INFORMATION TECHNOLOGY (510113)

TOTAL MARKS – 40

DECEMBER 6, 2023

TIME: 2HOURS

[NB. The figures mentioned in the right margin indicate full marks.

Answer all from both part A & part B

All parts (a, b, c,...) of a question must be answered sequentially.]

Part – A: Short Questions (Answer All)

4×5=20

1. a) What is a mainframe computer? 2
b) Draw a block diagram to show the organization of a computer system. 3
2. a) What is an MICR and where is it used? 2
b) What are the differences between Impact and Non-impact printers? 3
3. a) What is software piracy? 2
b) What is a Firmware? What is the main difference between a Shareware and a Freeware? 3
4. a) What is a MODEM? 2
b) What is encryption? Explain. 3

Part – B: Broad Questions (Answer All)

2×10=20

5. a) What is EEPROM? Why do you think EEPROM is better than EPROM? 3
b) What is meant by “Generation” in computer terminology? Write down three important features from each of the generations of computer. 7
6. a) What is network topology? Briefly explain how star topology works. 3
b) What is data communication protocol? Briefly describe the function of each layer of OSI model. 7

~Good luck~