



DHAKA CITY COLLEGE

DEPARTMENT OF BUSINESS ADMINISTRATION - BBA PROGRAM

FIRST YEAR, SECOND SEMESTER EXAMINATION,

BATCH – 24, SESSION: 2021 – 2022

MIDTERM-II EXAMINATION, 2024

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

TOTAL MARKS – 70

FEBRUARY 08, 2024

TIME: 3HOURS

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

Answer any six from part A & any four from part B

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

Part - A: Short Questions (Answer any six)

6×5=30

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|-----|----|--|---|
| 1. | a) | What is a computer? Why is it also known as data processor? | 2 |
| | b) | Distinguish between analog and digital computers. | 3 |
| 2. | a) | What is volatile memory? | 2 |
| | b) | What is CPU cache memory? Explain how it improves CPU performance. | 3 |
| 3. | a) | What is a pointing device? Where is it used? | 2 |
| | b) | What are the differences between HDD and SSD? | 3 |
| 4. | a) | What is program flowchart? | 2 |
| | b) | What are the differences between low level and high level programming languages? | 3 |
| 5. | a) | What is an operating system? Give some examples. | 2 |
| | b) | Explain why GUI operating systems are more user friendly compared to CLI. | 3 |
| 6. | a) | Compare between EPROM and EEPROM. | 2 |
| | b) | Distinguish among firmware, shareware and freeware. | 3 |
| 7. | a) | What does a bar code reader do? | 2 |
| | b) | Describe how "Lands and Pits" are used to store data on an optical disk surface. | 3 |
| 8. | a) | What is a LAN? | 2 |
| | b) | Explain the importance of computer networking. | 3 |
| 9. | a) | What is crypto currency? | 2 |
| | b) | Briefly describe the benefits of electronic fund transfer. | 3 |
| 10. | a) | What is OAS? | 2 |
| | b) | What is TPS? How does online mode in TPS work? | 3 |

Part – B: Broad Questions (Answer any four)

4x10=40

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|-----|----|--|---------------|
| 11. | a) | What is an image scanner? Explain how OMR differs from OCR. | 4 |
| | b) | Describe some major fields of today's business world where computers are largely used. | 6 |
| 12. | a) | What are the various parts of a computer system? Discuss in brief. | 4 |
| | b) | Draw the computer architecture diagram and describe the operation of control unit and arithmetic logic unit. | 6 |
| 13. | a) | What is a computer network? Distinguish among LAN, MAN and WAN. | 4 |
| | b) | What is network topology? With necessary figure, describe any two network topologies. | 6 |
| 14. | a) | What is intranet? Explain how it differs from internet and extranet. | 4 |
| | b) | What is e-commerce? Describe different types and benefits of e-commerce. | 6 |
| 15. | | What is a data processing system? What are the factors that make us choose from various electronic data processing methods? Describe batch processing method for electronic data processing with necessary flow diagram. | 10 |
| 16. | a) | What is MIS? What are the characteristics of MIS? Describe in brief. | 4 |
| | b) | What are the steps to be followed for designing an effective MIS? Describe the components and benefits of an effective MIS. | 6 |
| 17. | | Write short notes on any five: | 5x2=10 |
| | a) | ALU | |
| | b) | QR Code | |
| | c) | Debugging | |
| | d) | Network router | |
| | e) | DSS | |
| | f) | IP address | |
| | g) | Malware | |

~Good luck~