THE INSTITUTE OF BANKERS, BANGLADESH (IBB)
94TH BANKING DIPLOMA EXAMINATION, 2022
DAIBB
INFORMATION TECHNOLOGY IN FINANCIAL SERVICES (IT)

Subject Code : | 2 | 0 | 4 |

Time—3 hours

Full marks—100

Pass marks—50

[N.B. *The figures in the right margin indicate full marks. Answer any* **five** *questions]*

Marks

1. (a) Draw the block diagram of a micro-computer system and discuss the functions of CPU and main memory.   5+6=11

 (b) Discuss about LAN, WAN and network operating system.   6

 (c) What is OMR?   3

2. (a) Discuss about digital Bangladesh.   8

 (b) Convert the following numbers: 3×3=9

   (i) $(B4C5)_{16}$ to binary

   (ii) $(6056)_{10}$ to octal

   (iii) $(11011.10)_2$ to decimal.

 (c) Why binary number system is used in computer?   3

3. (a) Describe the stages of software development life-cycle. Define system software and application software with example.   6+4=10

 (b) Discuss about database management system and its use. What are the differences between mobile banking and internet banking?   6+4=10

4. (a) What is e-commerce? Discuss the features and benefits of e-commerce in Bangladesh.   3+6=9

 (b) Discuss about m-commerce. Discuss about data encryption and decryption.   3+6=9

 (c) What is phishing?   2

[Please turn over

	Marks

5.   (a) What do you understand by BIOS and discuss about its role in using a computer.   6

     (b) Discuss about BACH and BEFTN operations in Bangladesh. Discuss about importance of RTGS on growth of business of banks.   8+4=12

     (c) What is cheque truncation system?   2

6.   (a) Discuss about the functions of a modern core banking software. What is parity check?   7+3=10

     (b) What is audit trail? Discuss about the usefulness of ICT audit in banking operation.   4+6=10

7.   (a) What is inter-branch reconciliation? How can computers be used for inter-branch reconciliation?   3+7=10

     (b) Discuss about computerized online CIB operations and its benefits.   8

     (c) What is API?   2

8.   (a) Discuss about debit card, smart card and POS. Discuss the objectives of ICT Policy of Bangladesh.   6+6=12

     (b) Discuss about digital wallet and mobile wallet. Give two uses of digital wallet.   6+2=8

9.   (a) Briefly discuss about the following: 4×3=12

       (i) Firmware

       (ii) Communication software

       (iii) ERP software

     (b) What are the benefits of digitization?   4

     (c) What is National payment switch?   4

10. Write short notes on any four of the following: 5×4=20

     (a) Digital signature

     (b) Digital financial inclusion

     (c) CHIPS

     (d) E-governance

     (e) Fire wall

     (f) Website.