

**International Islamic University Chittagong**  
**Faculty of Sharia'h and Islamic Studies**  
**Mid Term Examination, Spring-2024**  
**Course Code: CSE-3503**  
**Course Title: Microcomputer Application-II**

**Time: 1 hour and 30 minutes**

**Total Marks: 30**

(Answer the following questions)

**Q1.**

- a) What is Microsoft Access? Briefly explain why we use Microsoft Access instead of Microsoft excel? 1+2
- b) What do you mean by database? Briefly explain different features of database management systems. 1+1
- c) Explain the following terms 1+1
  - i. Entity
  - ii. Record
- d) What is key in database? Explain the different types of keys with example. 1+2

**Q2.**

- a) What is ER-Diagram? Draw an ER-Diagram of University Management System. 1+3
- b) Briefly explain the following terms of MS Access (any three): 3
  - i. Field
  - ii. Record
  - iii. Table
  - iv. Database
- c) Differentiate between MS Form and MS Report with example. 3

**Q3.**

- a) Define computer network and discuss the uses of computer network. 1+2
- b) Write the advantages and disadvantages of computer network. 3
- c) What is network topology? Briefly describe the tree topology and hybrid topology. 2+2

**OR.**

- a) What is Mesh topology? Describe the advantages and disadvantages of Mesh topology. 1+3
- b) What is WAN? Discuss the advantages and disadvantages of WAN. 1+2
- c) Differentiate between LAN and WAN network. 3