

Daffodil International University
Faculty of Business & Entrepreneurship
Department of Business Administration
Program: BBA

Semester: Spring, 2025
Time: 120 minutes
Course Code: 0611-113
Section: 68-A,B,C,D

Exam: Semester Final
Full Marks: 40
Title: ICT in Business
Course Teacher: MR, MI, FK

*[Answer **ALL** the following questions. Figures in the brackets indicate marks assigned to each question. Any kind of unfair means is strictly prohibited. Read the question attentively, then answer to the point; relevant examples will carry greater marks]*

Question No. 1 [CLO 3, Level 3]

[Marks: 10]

Imagine you are an IT officer at a small business. **Apply** your knowledge of computer threats to **identify** and **explain** how three different types of threats (e.g., user, hardware, data) could impact the organization.

Question No. 2 [CLO 2, Level 2]

[Marks: 10]

A database is a collection of data or information organized so that it can easily be accessed, managed, updated, and retrieved. Computerized databases are much more potent than noncomputerized databases because users can easily search and reorganize data in hundreds of ways.

Explain what Database Management System (DBMS) is. **Summarize** its main advantages and disadvantages, and applications where a DBMS is commonly used.

Question No. 3 [CLO 2, Level 2]

[Marks: 10]

Today's world revolves around the internet, which is a network of networks that connects billions of devices across the world. Organizations of all sizes use networks to connect their employees' devices and shared resources such as printers.

Classify the different types of network topologies. **Explain** the advantages and disadvantages of each topology in your own words.

Question No. 4 [CLO 1, Level 1]

[Marks: 10]

An operating system is the most important software that runs on a computer. It manages the computer's memory and processes, as well as all of its software and hardware. It also allows you to communicate with the computer without knowing how to speak the computer's language. Without an operating system, a computer is useless.

What is an operating system? **List** and briefly describe various types of operating systems with their details.