**Final Examination-Fall**-**2023-24**

**BSCS/BSSE-1**

**Application of Information and Communication Technology**

**CSC-100 (Theory)**

**Registration No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Total Time: 105 Minutes**

**Maximum Points: 20**

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**Instructions:**

* Write your name and arid number on your answer sheet and question paper as well.
* Clearly mention Degree Program (BSCS), Semester (00) and Session (Morning or Evening) on Right Top Corner of your answer sheet.

**Question 01:** You work for a startup that aims to revolutionize the food delivery industry by developing a new mobile app for ordering food. The company envisions a user-friendly platform that seamlessly connects restaurants and customers, offering a wide range of cuisines with a focus on convenience and speed. Your team has been tasked with following the System Development Life Cycle (SDLC) to bring this innovative app to market.

**(5 Points)**

Briefly outline the main stages of the System Development Life Cycle (SDLC) you would follow, and explain the key purpose of each stage.

**(5 Points)**

**Question 02:** How can a network be defined, and how do its types (any three) differ in terms of geographical coverage and transmission speed?

**(5 Points)**

**Question 03:** What is the significance of security measures for protecting data, and how can threats be defined in this context? Additionally, provide examples of the most common threats that individuals or organizations may encounter in the context of data security?

**(5 Points)**

**Question 04:** Define these terms:

**(5 Points)**

1. Batch files vs Executable files
2. Machine code vs Pseudo code
3. Complier vs Interpreter
4. Flat file database vs Relational Database
5. Decision support system vs Expert System.

**\*\*\*\*\*Good Luck\*\*\*\*\***

NOTE: Please mention Name and Signature of each Instructor at the end or back of the question paper (compulsory).

Instructor Name 1: \_Ms. Marya Iqbal\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructor Name 2: \_Ms. Farkhanda Qamar\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructor Name 3: \_Ms. Noureen Zafar\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructor Name 4: \_Ms. Sarfraz Bibi\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructor Name 5: \_Ms. Nergis Gulzar\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructor Name 6: \_Mr. Waris Mirza\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_