ourdiu.com | Shared by Chand

Daffodil International University

Daffodil University

Department of Computer Science and Engineering

SET: A

Course Code:CSE227 Course Title: System Analysis and design Section: 66H

Semester: Fall 2025 Quiz: 1 Date:15.10.25

Name : Student ID: Time :40 Minutes

Time: 40 Minutes **[Answer All the following questions]** **Marks: 15**

Sunrise University is a large private institution offering undergraduate and postgraduate programs across multiple disciplines. The university currently faces several issues in managing its academic and administrative operations. The **student enrollment system** is outdated, leading to registration errors and delays during admission periods. The **academic record system** is scattered across departments, making it difficult for faculty to access up-to-date student performance data. Additionally, the **library management system** is not integrated with student accounts, often causing confusion about book availability and overdue fines. As a **system analyst**, you are tasked with examining these issues and proposing an integrated university management system to enhance accuracy, efficiency, and coordination.

1.Identify **data** and **information** in the context of student enrollment for the above system. Explain how different stages of the **System Development Life Cycle (SDLC)** can be applied to improve student enrollment, academic record management, and library services at Sunrise University. **[6]**

2.What specific analytical skills are crucial for a system analyst to possess in order to effectively analyze and troubleshoot complex systems? Can you provide from the above examples of how system analysts utilize problem-solving techniques to identify and address system inefficiencies or bottlenecks? **[6]**

3.How does an organization's strategic information system contribute to its long-term competitive advantage? Can you provide examples of strategic decisions that are supported by strategic information systems? **[3]**