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Daffodil International University
Department of CSE
Class Test: 1 (spring: 26)

Course Title: System Analysis & Design
Course Code: CSE227

Time: 1 Hour
Marks: 15

Answer the following questions: 5 x 3 = 15

1.	A supermarket collects large volumes of transaction data such as item codes, quantities sold, prices, and timestamps. Despite this, the manager finds it difficult to make decisions about stock replenishment and pricing. i. Define data and information ii. Describe how the collected data can be processed to generate meaningful information for the manager. iii. Identify the type of information produced (Operational / Tactical /Strategic).	2x3=6
2.	In an organization, line managers receive detailed daily sales reports, while top executives receive summarized quarterly performance reports and growth forecasts. Recently, top executives requested access to daily transaction-level data. i. Identify the types of information normally required by line managers and top managers. ii. Analyze whether providing detailed operational data to top management is appropriate. Give reasons	1.5x2=3
3.	A university uses the following systems: • An online system for student course registration • A monthly reporting system to analyze enrollment trends • A simulation-based system to decide whether to open a new campus Identify the type of information system used in each case: i. Business Data Processing (BDP) ii. Management Information System (MIS) iii. Decision Support System (DSS)	2x3=6

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