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Department Of CIS
Daffodil International University
Semester: Summer 2026 | Course Code: BI 417
Course Title: Information System for Business Intelligence
Class Test 1

Total Marks: 15 **Time: 25 minutes**

Section A: Short Answer Questions

1. Define **Information System (IS)** in your own words. [1]
2. Write one example of **data** and one example of **information** from a university or business context. [1]
3. List any **two components** of an Information System. [1]
4. Which type of Information System is mainly used for daily routine transactions such as POS billing or ATM withdrawal? [1]
5. Mention one reason why **Business Intelligence depends on Information Systems**. [1]

Section B: Conceptual Questions

6. Differentiate between **Data, Information, and Knowledge** using one practical example. [3]
7. Explain the difference between **TPS, MIS, DSS, and EIS** in terms of decision-making level. [3]

Section C: Case-Based Question

9. A retail shop in Bangladesh records the following sales data:

Date	Branch	Product	Quantity	Price	Payment Method
1 Jan	Dhanmondi	Rice	5	60	bKash
1 Jan	Mirpur	Oil	2	180	Cash
2 Jan	Mirpur	Rice	1	60	Nagad
2 Jan	Uttara	Egg	12	12	Cash

Answer the following:

a) Identify any **three data fields** from the dataset. [1]
b) Calculate the **total sales amount** for Mirpur branch. [1]
c) Which branch has the highest sales amount? [1]
d) Suggest one business decision based on the sales or payment pattern. [1]