JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.B.A-3rd Semester

COURSE CODE (CREDITS): 23BB1HS311 (4) MAX. MARKS: 15

COURSE NAME: STATISTICS FOR BUSINESS DECISIONS

COURSE INSTRUCTOR: DR. VISHAL SHARMA MAX. TIME: 1 Hour

Note: *(a) All questions are compulsory.*

(b) The candidate is allowed to make suitable numeric assumptions wherever required for solving problems

(c) Use of calculator is allowed

Q.No	Questions	CO	Marks
Q1	A company wants to collect information about the number of customers visiting its stores, their age, and their purchasing behavior. The management collects and organizes this information to understand the business situation and make better decisions. Based on the above case, identify the role of statistics in the company's decision-making process.	CO-1	2.5
Q2	A company wants to collect information from its customers regarding their satisfaction with its products. The company decides to contact customers directly and ask them to fill out a questionnaire about their experience with the products. Based on the above situation, identify the method of data collection used by the company. Explain the method and state any two advantages of collecting data in this way.	CO-1	2.5
Q3	A retail company wants to analyze the average daily sales of its product across different outlets. The following data show the daily sales made by the outlets during a particular period:	CO-1	5

		CO-1	5

Daily Sales (₹)	Number of Outlets
100–110	10
110–120	15
120–130	12
130–140	18
140–150	20
150–160	15
160–170	10
170–180	8
180–190	6

Based on the above data, calculate the Arithmetic Mean of daily sales using the Short-Cut Method.

Q4 A supermarket wants to identify the most common range of monthly purchases made by its customers. The following data were collected:

Monthly Purchase (₹)	Number of Customers (f)
0–1,000	6
1,000–2,000	14
2,000–3,000	28
3,000–4,000	40
4,000–5,000	22
5,000–6,000	10

Calculate the Mode of the above continuous frequency distribution and identify the most common monthly purchase level of the customers.

UNIT TEST - 1 EXAMINATION- AUG-2026