

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech-V Semester (CSE/IT)

COURSE CODE (CREDITS): 25B1WCI539 (2)

MAX. MARKS: 15

COURSE NAME: Computing for Data Science

COURSE INSTRUCTOR: ATA, SSA

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	Question	CO	Marks
Q1	A survey records gender, age, satisfaction level (Poor/Good/Excellent), and monthly income. Classify each variable according to its level of measurement.	1	2
Q2	A dataset contains duplicate records, missing values, and inconsistent formats. Which steps should be performed before analysis, and why	1	2
Q3	The salaries of employees in a company contain a few extremely high values. Which measure of central tendency would you prefer and why?	1	2
Q4	A dataset contains Date of Birth, but the model needs to predict customer behavior. How could Date of Birth be transformed into a useful feature?	1	2
Q5	A coin is tossed 5 times. Find the probability of obtaining exactly 3 heads.	2	2
Q6	For a Poisson distribution with $\lambda=4$, what are the mean and variance? What does their equality indicate?	2	2
Q7	The heights of students are normally distributed with mean 165 cm and standard deviation 5 cm. Find the z-score for a student whose height is 175 cm.	2	3
	ALL THE BEST		