

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATIONS- 2026

BCA-II Semester

COURSE CODE (CREDITS): 25BC1CI213

MAX MARKS: 35

COURSE NAME: PYTHON

COURSE INSTRUCTOR: SRT

MAX. TIME: 2 Hours

*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 not allowed*

Q.No	Question	CO	Marks
Q1	In the context of string handling in Python explain the following- - RE and any one function associated with it - Any three built-in functions for string manipulation - Any three string slicing examples	CO-3	5
Q2	In the context of Array oriented programming using Numpy explain the following- - Creating array from tuple - Array attributes - Array indexing - Np.zeros(), np.full(), np.eye()	CO-3	5
Q3	In the context of Data frames explain the following- - Data frame creation - Reading different file formats into a DataFrame - Viewing data (any four attributes/ functions)	CO-3	5
Q4	Highlight the significance of data visualization along with explanation of any five plots of your choice?	CO-4	5
Q5	Explain any five python libraries of your choice?	CO-2 CO-3	5
Q6	Explain looping statements in Python with proper examples?	CO-3	5
Q7	Explain the logic behind implementing an ATM menu system using Python?	CO-3	5