

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2024

B.Tech-V Semester (BT/BI)

COURSE CODE (CREDITS): 18B11BI512 (3)

MAX. MARKS: 25

COURSE NAME: Scripting Languages for Bioinformatics

COURSE INSTRUCTORS: Dr. Tiratha Raj Singh

MAX. TIME: 1 Hour 30 Minutes

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

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

Q.No	Question	CO	Marks
Q1	Demonstrate the usage of primary web technologies to develop a customized web-based application for a client with following credentials: A Bioinformatics company seeking technical skill persons from AI background to solve problems in Biology.	CO-1-4	5
Q2	Discuss various date and time functions from JS which could be implemented to solve relevant issues on website while dealing with date and time data of any customer.	CO-2,3	4
Q3	Compare JS good and bad parts through critical examination of each point.	CO-3	3
Q4	Discuss the significance of DOM classification in web development. Fabricate the DOM hierarchy for JS objects.	CO-3	3
Q5	Examine the multiple JS events (at least 3) through their implementations towards dynamic content generation. Write explicit code for each event.	CO-2,3,4	5
Q6	Implement following functions in JS through an example of each: splice(); substring(); ceil(); charCodeAt(); split();	CO-3,4	5