

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATIONS-2022

B.Tech-VII 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 and 30 Minutes

*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

- Q1. Dynamic web development is achieved through which kind of technologies. Discuss respective role of these technologies with an example of each. [CO:2,3; Marks: 4]
- Q.2. WAP in JavaScript to implement the date and time functions with international standards. [CO:2, 3; Marks: 4]
- Q.3. Implement Math object in JavaScript for representing various arithmetic operations and to reflect the ability of Math object through various functions. [CO: 2-4; Marks: 5]
- Q.4. Elaborate the significance of HTML elements along with their proper implementation for a web page where static features could be implemented easily. [CO: 2; Marks: 3]
- Q.5. Realize the importance of arrays in data handling. Implement `splice()`, `slice()`, `sort()` and `concat()` functions in JavaScript. [CO: 2-4; Marks: 5]
- Q.6. WAP in JavaScript to implement events and event handlers through the object based concept. Inputs may be associated with user form entry data. [CO: 1-3; Marks: 4]