

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT  
TEST -1 EXAMINATION- 2025

B.Tech-V Semester (BI)

COURSE CODE (CREDITS): 18B11BI512 (3)

MAX. MARKS: 15

COURSE NAME: Scripting Languages for Bioinformatics

COURSE INSTRUCTOR: Prof. Tiratha Raj Singh

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.

| Q No | Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CO     | Marks   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| Q1.  | Explain the role of Web Development in current technological scenario. Justify how web development can provide opportunities in various state-of-the-art domains?                                                                                                                                                                                                                                                                                                                                                 | CO-1   | [2]     |
| Q2.  | Design a User Registration Form in HTML for an advanced diploma in 'AI and ML in Bioinformatics'. Utilize maximum form elements along with UI/UX best practices.                                                                                                                                                                                                                                                                                                                                                  | CO-2   | [2.5]   |
| Q3.  | Discuss important facts about CSS. Create a rule in CSS with all required features for implementing selector and properties.                                                                                                                                                                                                                                                                                                                                                                                      | CO-2   | [2]     |
| Q4.  | Design a table in HTML using multiple features. Implement table features to design a super table. How tables can be customized to make beautiful pages?                                                                                                                                                                                                                                                                                                                                                           | CO-1   | [2.5]   |
| Q5.  | Write HTML code for the following items:<br>(a) An Un-ordered List with indentation (b) Text formatting elements<br>(c) Anchor element (d) CSS positioning                                                                                                                                                                                                                                                                                                                                                        | CO-1,2 | [1×4=4] |
| Q6.  | What will be the output of the following code if implemented with simple HTML code?<br><pre> &lt;style&gt;     .box1 {         position: absolute;         top: 50px;         left: 50px;         width: 150px;         height: 150px;         background-color: lightblue;         z-index: 1;     }     .box2 {         position: absolute;         top: 80px;         left: 80px;         width: 150px;         height: 150px;         background-color: pink;         z-index: 2;     } &lt;/style&gt; </pre> | CO-2   | [2]     |