

## III B.Tech I Semester Regular Examinations, July 2022

**MODEL PAPER****WEP PROGRAMMING**

(Common to IT and DS)

Time: 3 hours

Max Marks: 70

**Instructions:**

1. Question paper comprises of Part-A and Part-B
2. Part-A (for 20 marks) must be answered at one place in the answer book.
3. Part-B (for 50 marks) consists of five questions with internal choice, answer all questions.

**PART – A**

(Answer ALL questions. All questions carry equal marks)

10 \* 2 = 20 Marks

- |       |  |     |     |   |
|-------|--|-----|-----|---|
| 1. a. | What are the core attributes of table tag?                   | [2] | CO1 | 1 |
| b.    | Write JavaScript code for displaying current date and time ? | [2] | CO1 | 3 |
| c.    | Define Building blocks of XML ?                              | [2] | CO2 | 2 |
| d.    | Differentiate between DTD and DOM ?                          | [2] | CO2 | 1 |
| e.    | How to initialize the parameters in Servlet?                 | [2] | CO3 | 1 |
| f.    | How PrintWriter is different from ServletOutputStream?       | [2] | CO3 | 1 |
| g.    | Write Attributes of JSP page directive ?                     | [2] | CO4 | 1 |
| h.    | What are the actions elements in JSP?                        | [2] | CO4 | 1 |
| i.    | What is the use of JDBC?                                     | [2] | CO5 | 1 |
| j.    | What are the features of Struts?                             | [2] | CO5 | 1 |

**PART – B**

(Answer ALL questions. All questions carry equal marks)

5 \* 10 = 50

**Marks**

- |    |   |      |     |   |
|----|---|------|-----|---|
| 2. | a) Create a HTML form for reading a student details: First Name, Last Name, Email, Phone Number, DOB and Hobbies.   | [10] | CO1 | 2 |
|    | b) Write a Java Script function to validate the Student details:<br>Name: Only alphabets are allowed,<br>Phone Number: It should have exactly 10 digits.<br>Email: Check for proper email format, positions of @ and dot. |      |     |   |

**OR**

- |    |   |      |     |   |
|----|---|------|-----|---|
| 3. | a) Explain the following HTML elements:<br>< TEXTAREA > tag, < TABLE > tag, ANCHOR element<br>< MENU > tag, < form > tag. | [10] | CO1 | 2 |
|    | b) How DHTML work with JavaScript?  |      |     |   |
| 4. | a) what is DTD? Explain internal DTD and external DTD.  | [10] | CO2 | 2 |
|    | b) What are the advantages of XML over HTML? Explain the structure of XML document with the help of an example            |      |     |   |

**OR**

- |    |  |      |     |   |
|----|--|------|-----|---|
| 5. | a) what are the features of Java beans?              | [10] | CO2 | 2 |
|    | b) what is XML schema Explain in detail with example |      |     |   |
| 6. | a) What is the workflow of a servlet?                | [10] | CO3 | 1 |
|    | b) How does a servlet communicate with a JSP page?   |      |     |   |

**OR**

7. a) Explain about handling request and responses in Servlets. [10] CO3 2  
b) Write a Servlet program to read and display Cookies from the browser.

8. a) Explain about JSP directives with an example. [10] CO4 2  
b) Write a JSP program to explain the process of error handling in JSP.

**OR**

9. a) Explain how a JSP page is processed with the help of a diagram. [10] CO4 2  
b) Explain anatomy of JSP page

10. a) Write a Servlet program to retrieve the data from the database. [10] CO5 1  
b) Discuss how to access database with JSP

**OR**

11. a) Explain different steps involved in a JDBC program. [10] CO5 1  
b) Write a JDBC program to validate the user credentials USERID and PASSWORD from USER table in the database.

\*\*\*\*\*