

Hall Ticket Number :

**R-15**

**Code: 5G46A**

III B.Tech. II Semester Supplementary Examinations April 2023

**Web Technologies**  
(Information Technology)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

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Marks

**UNIT-I**

- 1. a) What is a list? Illustrate different types of lists in HTML with examples. 8M
- b) Discuss about form elements and give example for creation of forms. 6M

**OR**

- 2. a) Explain different types of cascading style sheets in HTML with examples 7M
- b) Write a JavaScript program for login form validation 7M

**UNIT-II**

- 3. a) What is DTD? Explain different types of DTD with examples 7M
- b) Define XML Schema. Show how an XML schema can be created. 7M

**OR**

- 4. a) What is a Bean Development Kit? Explain the use of JAR files in relation with javabeans. 6M
- b) List all the classes and interfaces in JavaBeans API. 8M

**UNIT-III**

- 5. What is a servlet? Explain life cycle of a servlet. Illustrate with an example program 14M

**OR**

- 6. a) Discuss about how HTTP requests and responses are handled. 9M
- b) What is a cookie? Give the information that is saved for each cookie on users machine 5M

**UNIT-IV**

- 7. a) Describe the problems with servlets? How JSP overcome these problems 8M
- b) Write about JSP processing. 6M

**OR**

- 8. a) Discuss about Apache Tomcat server 6M
- b) Explain the components of JSP 8M

**UNIT-V**

- 9. a) Describe implicit JSP objects 7M
- b) What is a scriptlet? Write about scriptlet elements. 7M

**OR**

- 10. a) How passing control and data between pages is implemented in JSP? 7M
- b) Write a JSP with a Bean in the session scope. 7M

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