

B.Tech III Year II Semester (R15) Regular & Supplementary Examinations October/November 2020
WEB & INTERNET TECHNOLOGIES
 (Computer Science & Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What is a web server?
 - Differentiate static web page and dynamic web page.
 - Write a JavaScript function that returns the cube of a given number.
 - What is JSTL?
 - How is PHP better than JSP?
 - Write a PHP code to concatenate two strings.
 - List any four form elements in HTML.
 - What is XML Schema?
 - State any two uses of AJAX.
 - What is SOAP?

PART – B
 (Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Explain the following: (i) Apache. (ii) IIS.
 (b) Create a web page using HTML elements that generates the output like the following:
- | | |
|---------------------------------------|---|
| Logo of the organization | Name of the organization |
| With address | |
| List of courses offered
one by one | A table to represent the details of the workers in the
organization(S.no,empno,name,contactnumber) |

OR

- 3 (a) What is CSS? Explain in detail about the box model of CSS.
 (b) Create a web page for an organization that highlights the major functionality of it using HTML.

UNIT – II

- 4 (a) With examples for each, explain the four ways of creating date object in JavaScript.
 (b) With appropriate methods to explain servlet life cycle.

OR

- 5 (a) Explain the steps involved in connecting to a database using JDBC.
 (b) With examples explain the JSTL functions.

UNIT – III

- 6 Explain in detail about the operators in PHP.

- 7 Explain the following in PHP:

- Casting types.
- Indexed arrays.
- Associative arrays.
- Ternary operator.

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UNIT – IV

- 8 (a) Explain the difference between GET and POST method. Illustrate with an example.
(b) Validate the following using scripts:
(i) HTML element should not be empty.
(ii) Proper e-mail validation.
(iii) Password should contain a number and uppercase letter.

OR

- 9 (a) Create a DTD which contains the details of the book like title, author, price, year of publication, edition. Also create three records for it.
(b) Use XSLT to display the XML file as a HTML table in a web page.

UNIT – V

- 10 With appropriate function definitions explain how client server communication is established using AJAX.

OR

- 11 Explain the following: (i) WSDL. (ii) SOAP.

B.Tech III Year II Semester (R15) Regular & Supplementary Examinations May/June 2019
WEB & INTERNET TECHNOLOGIES
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PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define WAMP server.
 - (b) What is a HTML tag? Explain with example.
 - (c) Explain the use of cookies.
 - (d) List the types of directives in JSP.
 - (e) What is PHP? Why use PHP?
 - (f) What is the purpose of count function in PHP?
 - (g) Explain the POST method in PHP.
 - (h) Write the basic syntax of XML DTD.
 - (i) What is the purpose of XML HTTP request object?
 - (j) What does AJAX stand for? What are typical uses of AJAX?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Explain the architecture and features of apache server.

OR

- 3 What are the three types of CSS styles? Explain.

UNIT – II

- 4 Briefly explain the importance of document object model.

OR

- 5 What are the different types of JSP tags? Describe the steps in developing JSP with example.

UNIT – III

- 6 What is PHP array? How are arrays handled in PHP? Explain with example.

OR

- 7 Describe various control structures used in PHP.

UNIT – IV

- 8 How will you create forms and validate the form input in PHP? Explain with sample code.

OR

- 9 How to transform one XML to another XML document using XSLT transform?

UNIT – V

- 10 What is AJAX? Explain the components and features of Ajax.

OR

- 11 Describe the SOAP web services and building blocks of SOAP messages.

B.Tech III Year II Semester (R15) Supplementary Examinations April 2021

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PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What is a web server?
 - List any four web browsers.
 - Write a JavaScript function to validate the age of person between 18 and 25.
 - What is JSP?
 - What are associative array in PHP?
 - Write a PHP code to add two numbers by inputting it from HTML form.
 - What is DTD?
 - Differentiate GET and POST.
 - What is a web service?
 - What is WSDL?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) What is internet? Explain in detail about the HTTP request-response.
(b) What is meant by CSS? With examples for each explain the types of defining CSS for HTML elements.

OR

- 3 (a) Create a web page using any four basic elements of HTML.
(b) Explain the following CSS properties: (i) Translate. (ii) Rotate.

UNIT – II

- 4 (a) Explain in detail about the branching statements in JavaScript.
(b) Create a web page to display the contents of database table using JDBC.

OR

- 5 (a) Explain in detail about the looping statements in JavaScript.
(b) Elaborate the following in JSTL: (i) Core tags. (ii) Formatting tags.

UNIT – III

- 6 Explain in detail about the control structures in PHP.

OR

- 7 Explain the use of creating cookies and sessions in PHP with an example.

UNIT – IV

- 8 (a) Create a user registration form for a examination using HTML form elements.
(b) Write a code to store the received content from the form in the database.

OR

- 9 (a) Create a XML file which contains five records that stores the details of the book like title, author, price, year of publication, edition.
(b) Use XSLT to display the XML file as a HTML table in a web page.

UNIT – V

- 10 What is AJAX? With appropriate functions, explain how XML Http request object is created and is send to the server.

OR

- 11 Create a XML file that stores the details of students in your class. Use AJAX to display the details once a button is clicked on the webpage.
