**R20**

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR**
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## QUESTION BANK (DESCRIPTIVE)

**Subject with Code :** WEB TECHNOLOGIES (20CS0524)  **Course & Branch**: B.Tech –CSE/CSIT

**Year & Sem:** III B.Tech & IISem                                **Regulation:** R20

# UNIT –I
## Markup Languages and Style Sheets

| | | | | |
|---|---|---|---|---|
| 1 | a | What is Web Programming? Briefly explain the Architecture of WEB? | [L1] [CO1] | [ 6M ] |
| | b | What is HTML? Briefly explain the tags in HTML? | [L1] [CO1] | [ 6M ] |
| 2 | | Write a Program for Simple job Registration form using HTML | [L6] [CO1] | [12M] |
| 3 | | Explain HTML 5.0 and mention the tag differences between HTML and HTML 5.0? | [L5] [CO1] | [12M] |
| 4 | | Write a program to Create a webpage using HTML and add CSS to the webpage. | [L6] [CO1] | [12M] |
| 5 | a | Discuss the CSS Text Properties | [L1] [CO1] | [ 6M ] |
| | b | Distinguish between CSS and CSS 3.0 | [L1] [CO1] | [ 6M ] |
| 6 | a | What is CSS? Explain the CSS box model. | [L6] [CO1] | [ 6M ] |
| | b | What is Inheritance? Explain the CSS Inheritance? | [L4] [CO1] | [ 6M ] |
| 7 | a | Distinguish between CSS and CSS 3.0 | [L1] [CO1] | [6M] |
| | b | List and explain in detail the various selector strings with example. | [L6] [CO1] | [6M] |
| 8 | a | Explain a) HTML Frames  b) HTML Lists | [L1] [CO1] | [ 6M ] |
| | b | Explain a) HTML Tables  b) HTML Forms | [L5] [CO1] | [ 6M ] |
| 9 | a | Discuss Basic XHTML Syntax and Semantics | [L1] [CO1] | [6M] |
| | b | What are the Relative URLs? | [L6] [CO1] | [6M] |
| 10 | | Write a simple Program using HTML5 Semantic and Structural Elements. | | [12M] |

# UNIT –II
## Client-Side Programming

| | | | | |
|---|---|---|---|---|
| 1 | | Briefly discuss about history and versions of JavaScript. | [L1][CO2] | [12M] |
| 2 | | Define Function in JavaScript. Write a program using functions with arguments. | [L2][CO2] | [12M] |
| 3 | | Explain briefly about Built in Java script Objects. | [L1][CO2] | [12M] |
| 4 | | Explain the JavaScript Debuggers with example. | [L2][CO2] | [12M] |
| 5 | a | Explain JavaScript Arrays? | [L5][CO2] | [6M] |
| | b | What are the primitive data types in JavaScript? | [L6][CO2] | [6M] |
| 6 | | What are the Operators in JavaScript with example? | [L1][CO2] | [10M] |
| 7 | | Write a JavaScript validation for creating registration form | [L1][CO2] | [10M] |
| 8 | | List and explain JavaScript operators with an example. | [L2][CO2] | [10M] |
| 9 | | State and explain the types of statements in JavaScript. | [L1][CO2] | [10M] |
| 10 | a | Develop a program using onclick Event in JavaScript. | [L6][CO2] | [5M] |
| | b | Write a JavaScript program for Fibonacci series. | [L6][CO2] | [5M] |

# UNIT –III
## Host Objects Server-Side Programming

| 1 | a | List out some of the HTML intrinsic event attributes. | | |
|---|---|---|---|---|
| | b | Define servlet. What are the functions of doGet() and doPost() methods? | | |
| 2 | | Write a servlet code to get parameters from HTML document. | [L2][CO2] | **[12M]** |
| 3 | a | Difference between Generic Servlet and HttpServlet. | [L1][CO2] | **[12M]** |
| | b | Describe DOM Event handling. | | |
| 4 | | State and explain intrinsic event handling with example. | [L2][CO2] | **[12M]** |
| 5 | | Describe the servlet architecture and Execution of servlet for the program to display a welcome message on the client system. | [L5][CO2] | **[6M]** |
| 6 | | What is servlet? What are the advantages of servlet? Explain the Life cycle of servlets. | [L1][CO2] | **[10M]** |
| 7 | | Explain about a) HTTP servlet Request  b) HTTP servlet Response with syntax. | [L1][CO2] | **[10M]** |
| 8 | | Write html and servlet to demonstrate invoking a servlet from a html. | [L2][CO2] | **[10M]** |
| 9 | | Explain in detail about working of cookies with an example. | [L1][CO2] | **[10M]** |
| 10 | | Write a Java servlet program to change the Background color of the page by the color selected by the user from the list box. | [L6][CO2] | **[5M]** |

# UNIT –IV
## Introduction to PHP and Representing Web Data

| 1 | a | What do you mean by a)PHP b) Cookies | [L1][CO4] | **[2M]** |
|---|---|---|---|---|
| | b | What are XML Parsers? How is XML parsing done with SAX? | [L1][CO4] | **[2M]** |
| 2 | | State and explain built-in functions in PHP. | [L2][CO4] | **[10M]** |
| 3 | | Write a php program to check the user credentials, whether they are correct are not. If the credentials are correct then the user will be redirected to another page. | [L6][CO4] | **[10M]** |
| 4 | a | Explain Regular expressions in PHP with an example. | [L3][CO4] | **[5M]** |
| | b | Discuss XML Namespaces. | [L6][CO4] | **[5M]** |
| 5 | a | Write a program to find average of first ten natural numbers using for loop. | [L6][CO4] | **[5M]** |
| | b | Illustrate SAX –Transforming XML documents. | [L2][CO4] | **[5M]** |
| 6 | | Explain DOM based XML processing. | [L3][CO4] | **[10M]** |
| 7 | | List the types of XML DTD with an example. | [L1][CO4] | **[10M]** |
| 8 | | Describe program control statements in PHP. | [L4][CO4] | **[10M]** |
| 9 | | Write a Java servlet Program to implement the Book Information using JDBC. | [L3][CO4] | **[10M]** |
| 10 | | What is the difference between Session and Cookie? Write a program to create a session, to set a value in session, and to remove data from a session. | [L6][CO4] | **[10M]** |

## UNIT –V
**AJAX:**

| 1 | a | What are a)Web Services b) WSDL | [L1] [CO5] | **[6M]** |
|---|---|---|---|---|
|   | b | Define a) AJAX b) SOAP? | [L1] [ CO5] | **[6M]** |
| 2 | a | How XML is changing the Web? | [L2] [ CO5] | **[6M]** |
|   | b | Write short notes on simple Ajax application. | [L6] [ CO5] | **[6M]** |
| 3 |   | Explain client server architecture in AJAX. | [L3] [ CO5] | **[12M]** |
| 4 |   | Explain the method of creating a web service client with an example. | [L2] [ CO5] | **[12M]** |
| 5 |   | Explain Java web service API with an example. | [L1] [ CO5] | **[12M]** |
| 6 |   | Briefly discuss storing java objects as files. | [L3] [ CO5] | **[12M]** |
| 7 |   | Explain structure of structure, advantages and disadvantages? | [L3] [CO5] | **[12M]** |
| 8 | a | What is MIME? | [L1] [CO5] | **[6M]** |
|   | b | What is UDDI? | [L3] [CO5] | **[6M]** |
| 9 |   | Design simple application for accessing the data using XML. | [L5][ CO5] | **[12M]** |
| 10 | a | What is the difference between XML HTTP Request and AJAX ? | [L1 ][CO5] | **[6M]** |
|   | a | Discuss the security issues of AJAX. | [L2 ][CO5] | **[6M]** |

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