



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

Subject with Code: Web Technologies(19MC9121)

Course & Branch: MCA

Year & Sem.: II-Year & II-Sem

Regulation: R19

UNIT –I
JAVA BEAN, HTML & JAVASCRIPT

- 1 a) What is a Java bean? List the advantages of Java bean? [L1][CO1] [6M]
b) Explain the lists in HTML. Give an example. [L2][CO1] [6M]
- 2 a) Explain about the frames in detail. [L2][CO1] [6M]
b) Discuss and compare HTML5 with older versions. [L4][CO1] [6M]
- 3 What is a form? Explain any 10 form controls in detail with example. [L5][CO1] [12M]
- 4 a) Explain the tables in HTML with example. [L2][CO1] [6M]
b) How will you insert an image in a HTML page? [L4][CO1] [6M]
- 5 Explain the following controls with example [L5][CO1] [12M]
(i) Select (ii) Text (iii) Password (iv) Radio (v) Checkbox
- 6 a) Explain various Formatting tags in HTML5 with examples. [L2][CO1] [6M]
b) Explain various media tags in HTML5 with examples. [L2][CO1] [6M]
- 7 a) List and explain various data types in java script. [L2][CO1] [6M]
b) Explain various String object methods. [L2][CO1] [6M]
- 8 Explain the various operators in javascript in detail example. [L5][CO1] [12M]
- 9 Design a html registration page in which the name, password, confirm password, gender are to be validated. [L6][CO1] [12M]
- 10 Discuss various Built-in Objects in javascript. [L6][CO1] [12M]

UNIT –II**WEB SERVERS & SERVLETS, DATABASES**

- 1 a) What is a webserver? How will you install Tomcat in your system? [L1][CO2] [6M]
b) Develop and run servlet program to display “helloworld”. [L3][CO2] [6M]
- 2 List and explain the different session tracking techniques in detail. [L4][CO2] [12M]
- 3 Explain various stages involved in life cycle of a servlet in detail. [L5][CO2] [12M]
- 4 a) What is a Web Server? Explain its working. [L2][CO2] [6M]
b) Illustrate different types of Web Servers? [L2][CO2] [6M]
- 5 a) Define Cookies. Explain with diagram how cookie works. [L5][CO2] [6M]
b) Explain different types of cookies along with their classes and methods. [L5][CO2] [6M]
- 6 Discuss various session tracking techniques in detail. [L6][CO2] [12M]
- 7 Analyze with steps to handle http request and response. [L4][CO2] [12M]
- 8 How will you read the servlet parameters? Explain with examples. [L1][CO2] [12M]
- 9 a) List out various interfaces and classes in javax.servlet package. [L4][CO2] [6M]
b) List out various interfaces and classes in javax.servlet.http package. [L4][CO2] [6M]
- 10 Explain the following in Database [L2][CO3] [6M]
i) Simple statement ii) Prepared statement iii) Callable statement

UNIT –III
JAVA SERVER PAGE

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| 1 | a) What is JSP? What is the need for JSP? Explain the problem with servlet. | [L2][CO4] | [6M] |
| | b) Explain the anatomy of JSP with an example in detail. | [L2][CO4] | [6M] |
| 2 | Identify various scripting elements of JSP and explain with example. | [L3][CO4] | [12M] |
| 3 | Elaborate JSP processing in detail with a diagram. | [L6][CO4] | [12M] |
| 4 | Explain about elements of JSP in detail. | [L5][CO4] | [12M] |
| 5 | a) Explain the implicit objects of JSP in detail. | [L2][CO4] | [6M] |
| | b) What is a scriptlet? Explain it with an example. | [L2][CO4] | [6M] |
| 6 | Explain the following in details
i) Directive ii) Action iii) Scripting | [L2][CO4] | [12M] |
| 7 | How will you pass the control and data between pages. | [L1][CO4] | [12M] |
| 8 | How will you access a database from a JSP page. | [L1][CO3] | [12M] |
| 9 | Explain the techniques of error handling and debugging of JSP. | [L5][CO4] | [12M] |
| 10 | a) Design JSP Application with MVC | [L6][CO4] | [6M] |
| | b) Explain the steps involved in setting up JSP environment. | [L2][CO4] | [6M] |

UNIT –IV**PHP**

- 1 What is PHP? What is variable in PHP? Explain variables in detail. [L1][CO5] [12M]
- 2 a) List and discuss various data types available in PHP. [L4][CO5] [6M]
b) Explain String of PHP in detail. [L2][CO5] [6M]
- 3 Explain the following in PHP [L5][CO5] [12M]
i) echo ii) print iii) constants
- 4 Explain operators of PHP in detail. [L2][CO5] [12M]
- 5 a) How will you define a function in PHP? Explain. [L2][CO5] [6M]
b) Write a PHP program to illustrate a function. [L2][CO5] [6M]
- 6 Discuss about control structures of PHP in detail. [L6][CO5] [12M]
- 7 a) What is an array in PHP? [L1][CO5] [6M]
b) Design a sample program to demonstrate array. [L6][CO5] [6M]
- 8 Explain the process of handling a form with example. [L2][CO5] [12M]
- 9 Explain the process of handling files of PHP in detail. [L2][CO5] [12M]
- 10 Identify the steps to handle errors and exceptions in PHP? [L3][CO5] [12M]

UNIT –V**AJAX**

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| 1 | a) What is AJAX? Why AJAX is necessary? | [L1][CO5] | [6M] |
| | b) Explain XMLHttpRequest of AJAX in detail. | [L2][CO5] | [6M] |
| 2 | Explain the process of having XML using AJAX. | [L2][CO5] | [12M] |
| 3 | Explain the requests, responses in AJAX. | [L5][CO5] | [12M] |
| 4 | Elaborate with steps to access the database in AJAX? | [L6][CO5] | [12M] |
| 5 | Explain how do you handle dynamic HTML with AJAX? | [L5][CO5] | [12M] |
| 6 | Analyze and explain requests handle in AJAX? | [L4][CO5] | [12M] |
| 7 | How will you access data from the tables stored in database? | [L1][CO5] | [12M] |
| 8 | Explain PHP with AJAX in detail using a program. | [L2][CO5] | [12M] |
| 9 | Develop an AJAX program that access details from XML and display the same. | [L3][CO5] | [12M] |
| 10 | Explain the process of sending data to the server using
i) GET ii) POST | [L5][CO5] | [12M] |

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