



# SWARNANDHRA

College of Engineering & Technology

(Autonomous)

Narsapur - 534 280.

## DEPARTMENT OF COMPUTER & SCIENCE ENGINEERING

### Assignment Questions

Course Code	Course Title	Course / Semester	Branches/Section	Contact Hrs/Week	Academic Year
16CS5T02	Advanced Java and Web Technologies	III B.Tech / V	CSE – A, B & Shift	4	2020-21

SNo	Question	Course Outcome	Knowledge Level
<b>UNIT-I</b>			
1.	Define a tag and explain structure of the HTML.	CO1	K1
2.	Explain how to create a basic HTML page and its execution.	CO1	K2
3.	List and explain HTML basic tags.	CO1	K1
4.	List and explain HTML formatting tags.	CO1	K1
5.	Define various types of list tags with attributes and examples.	CO1	K1
6.	Compute nested lists and Explain with an example.	CO1	K3
7.	Explain about HTML table tags with all attributes and example.	CO1	K2
8.	Write a web page code using nested tables.	CO1	K3
9.	Demonstrate importance of image tag with all attributes.	CO1	K2
10.	Explain the syntaxes of anchor tags with all attributes and use image mapping hotspot links.	CO1	K3
11.	Describe form in HTML with all attributes.	CO1	K2
12.	Distinguish post and get methods.	CO1	K2
13.	List and explain various form input components with an example.	CO1	K1
14.	Define frame and iframe with all attributes and design a web page using nested frame.	CO1	K1
15.	Define a CSS. Explain different mechanisms used to apply CSS to HTML pages. Explain the purpose of cascading style sheets	CO1	K1
16.	Write a HTML code to create a frame with a table contents on the left side of the window, and have each entry in the table of contents. Use internal linking to scroll down the document frame to the appropriate subsection.	CO1	K3
<b>UNIT-II</b>			
1.	Define scripting and show the various types of scripting languages. Describe importance of scripting languages.	CO2	K1
2.	Describe client side and server side scripting languages.	CO2	K2
3.	Define JavaScript. Explain similarities and difference of JAVA and JavaScript.	CO2	K1

4.	Explain the features of Java Script. Explain the need for scripting languages in web programming.	CO2	K2
5.	Define a variable and function in JavaScript with an example.	CO2	K1
6.	List and explain basic objects in JavaScript (document and window) with an examples.	CO2	K2
7.	Explain arithmetic and relational operators in JavaScript with an examples.	CO2	K2
8.	Explain various conditional control structures in JavaScript with an examples.	CO2	K2
9.	Explain various loop control structures in JavaScript with an examples.	CO2	K2
10.	Define recursion in JavaScript and distinguish between recursion and iteration.	CO2	K2
11.	List and describe array objects in JavaScript with an example.	CO2	K2
12.	List and describe math objects in JavaScript with an example.	CO2	K2
13.	List and describe string objects in JavaScript with an example.	CO2	K2
14.	List and describe date objects in JavaScript with an example.	CO2	K2
15.	List and describe Boolean and function objects in JavaScript with an example.	CO2	K2
16.	Explain user defined functions in JavaScript with local and global objects.	CO2	K3
17.	Explain scope and duration on local and global variables.	CO2	K3
18.	Explain importance of navigator, screen, history and location objects with properties.	CO2	K3
19.	Define a DOM and explain HTML DOM objects.	CO2	K2
20.	Define a validation and validate user registration form with all type of fields using DOM objects.	CO2	K1
21.	Apply various CSS properties using DOM objects.	CO2	K3
22.	Give example to how parameters are passed to functions in JavaScript.	CO2	K2
23.	Explain the characteristics of DHTML. Compare and contrast HTML and DHTML with suitable examples.	CO2	K2
24.	Apply an event in JavaScript and how can we handle events in JavaScript.	CO2	K3
25.	Describe an exception. Explain different ways of handling exceptions in JavaScript.	CO2	K2

### UNIT-III

1.	Define an XML. How is XML useful. How is XML compatible with others. List the applications of XML.	CO3	K2
2.	Distinguish between XML and HTML.	CO3	K2
3.	Explain simple XML and apply prolog and key components in XML.	CO3	K3
4.	Explain a document type definition (DTD). How do you create DTD. Explain DTD sequences.	CO3	K2
5.	Describe XML Schema. Explain the advantages of Schema over DTD. With an example explain the working of XML schema.	CO3	K2
6.	Distinguish between XML and XHTML.	CO3	K2
7.	Explain process of XML or XML parser and the working of XSL in HTML.	CO3	K2
8.	Explain SAX parser with all events.	CO3	K2
9.	Explain DOM parser. What are the difference between SAX and DOM.	CO3	K2

<b>UNIT-IV</b>			
1.	Explain about Tomcat web server.	CO4	K3
2.	Demonstrate the process of installation and configuration of Tomcat web server in Ubuntu for executing servlets and jsp.	CO4	K2
3.	Demonstrate the process of installation and configuration of Tomcat web server in windows for executing servlets and jsp.	CO4	K2
4.	Describe a servlet and Explain life cycle of a servlet.	CO4	K2
5.	Distinguish between servlets and applets.	CO4	K4
6.	Explain how Http POST request is processed using Servlets	CO4	K4
7.	Explain classes and interfaces of javax.servlet package.	CO4	K2
8.	Explain classes and interfaces of javax.servlet.http package.	CO4	K2
9.	Explain in detail about servlet API.	CO4	K2
10.	Summarize session tracking. Explain different mechanisms of session tracking.	CO4	K2
11.	Write a session tracker that tracks the number of accesses and last access data of a particular web page.	CO4	K3
12.	Compare doGet() and doPost() methods.	CO4	K2
13.	Apply cookies for session tracking with an example.	CO4	K4
14.	Represent the advantages of servlets over CGI.	CO4	K2
15.	Explain the security issues in servlets.	CO4	K4
<b>UNIT-V</b>			
1.	Explain JSP processing explain with neat diagram.	CO5	K3
2.	Explain conditional processing with examples.	CO5	K4
3.	Explain the procedure of how JSP is used to generate dynamic data using an example.	CO5	K3
4.	Write the advantages of JSP over servlets	CO5	K3
5.	Explain the problems with servlets and list out the advantages of JSP.	CO5	K4
6.	Explain in detail about MVC architecture.	CO5	K2
7.	Explain different JSP elements with an example.	CO5	K3
8.	Demonstrate data sharing between various JSP pages.	CO5	K3
9.	Explain Anatomy of JSP Page.	CO5	K4
10.	Develop a session tracking in JSP pages.	CO5	K3
11.	Discuss about memory usage considerations in JSP application development.	CO5	K2
12.	Discuss about implicit objects in JSP.	CO5	K2
13.	Explain error handling and debugging in JSP pages.	CO5	K4
<b>UNIT-VI</b>			
1.	Describe a JDBC. Explain the JDBC architecture.	CO6	K2
2.	Discover various JDBC drivers.	CO6	K3
3.	Compare between JDBC servlets and JDBC JSP with example.	CO6	K2
4.	Explain different types of JDBC drivers with suitable examples.	CO6	K4
5.	Explain in detail about javax.sql.* with an example.	CO6	K2
6.	Describe the JDBC packages.	CO6	K2
7.	Write a JDBC program how to insert and updates records into database.	CO6	K3
8.	Develop a Servlet to access data base. Explain with an example.	CO6	K3
9.	Develop a JSP page to access data base. Explain with an example.	CO6	K3