

29. a. Create a web page that contains four buttons. Each button, when clicked, should cause an alert dialog to display a different time or data in relation to the current time. Create a now button that alerts the current time and date and a Yesterday button that alerts the time and date 24 hours ago. The other two buttons should alert the time and date ten years ago and one week from today.
Note: Create HTML page and javascript file separately.

(OR)

- b. Write a script that reads several lines of text and prints a table indicating number of occurrences of each different word in the text. For example: the lines
"Be mindful. Be grateful. Be positive. Be true. Be kind"
Contain the word "Be" five times.
30. a. Explain the mechanisms of session handling using servlets and write the necessary code for session handling.

(OR)

- b. Create a registration HTML forms by embedding JSP code and write necessary servlet code also. The registration page should contain first name, last name, email id, phone no, data of birth, place.
31. a. Write a PHP script that obtains a URL and its description from a user and stores the information into a database using mysql. Assume database named URL and table named URL table are created. The first field of the table should contain an actual URL and the second which is named description, should contain a description of the URL. After each new URL is submitted, print the contents of the database in a table format.
[Note: Create HTML page for displaying the table format and apply necessary CSS]

(OR)

- b. Create employee details with following in XML
(i) Employee as root tag
(ii) Employee Id, department, salary, age as child tag
Using XSLT concept display employee detail in HTML table format and highlight the employee who got more than 25000 as salary.

32. a. Explain the mechanisms between classical web and Ajax web applications with proper code snippet.

(OR)

- b. Create a application for retail shop and create two different web services which will create the stock of the product (new product) and update the stock of the product.
Hint: Write necessary user interface and invoke the above two web services based on the user click.

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Reg. No.

B.Tech. DEGREE EXAMINATION, NOVEMBER 2018
1st to 6th Semester

15IT304J – WEB PROGRAMMING

(For the candidates admitted during the academic year 2015-2016 to 2017-2018)

Note:

- (i) **Part - A** should be answered in OMR sheet within first 45 minutes and OMR sheet should be handed over to hall invigilator at the end of 45th minute.
(ii) **Part - B** and **Part - C** should be answered in answer booklet.

Time: Three Hours

Max. Marks: 100

PART – A (20 × 1 = 20 Marks)

Answer **ALL** Questions

- _____ or labeling content, is another key part of the collaborative theme of web 2.0
(A) Tagging (B) Linking
(C) Reference (D) Mapping
- Who founded an organization called WWW consortium (W3C)
(A) Blaise Pascal (B) Tim Berners-Lee
(C) Charles Babbage (D) Tom Berners Lee
- The _____ attribute in an input element inserts a button that, when clicked resets the contents of the form
(A) type = "resetAll" (B) type = "null"
(C) type = "reset" (D) type = "clear"
- Which of the following attributes of textbox control allow to limit the maximum character?
(A) Size (B) len
(C) max length (D) Sizeof
- _____ javascript is also called client-side javascript
(A) Microsoft (B) Navigator
(C) Livewire (D) Native
- Which is the correct syntax for referring to an external script called "sample.js"?
(A) <script href = "sample.js"> (B) <script name = "sample.js">
(C) <script src = "sample.js"> (D) <script type = "sample.js">
- <script type = "text/javascript">
x = 4 + "4"
document.write (x);
</script> what is output for above program?
(A) 44 (B) 8
(C) 4 (D) Error output
- _____ method is used to remove focus from the specified object
(A) blur () (B) focus ()
(C) onfocus () (D) onblur ()
- What is the limit of data to be passed from HTML when doGet () method is used?
(A) 4 k (B) 8 k
(C) 2 k (D) 1 k

10. What are the mechanisms available in ServletContextListener interface?
 (A) ContextInit (), ContextService (), ContextDestroyed ()
 (B) Context Initialized (), ContextDestroyed ()
 (C) ContextInitialized (), ContextService (), ContextDestroyed ()
 (D) Context Initialized (), ContextReady ()
11. Which is an example of the syntax used to import a class to JSP?
 (A) <%page import = "java.util.List"%> (B) <%@page import = "java.util.List"@%>
 (C) <% import = "java.util.List"%> (D) <%@page import = "java.util.List"%>
12. An _____ tag can hold any java language expression that can be used as an argument to out.println () method.
 (A) Expression tag (B) Declaration tag
 (C) Directive tag (D) Scriptlet tag
13. What is the difference between echo and print?
 (A) They both behave the same (B) Print can take multiple parameters where as echo cannot
 (C) Echo can take multiple parameter (D) Print is a function where as echo is not where as print cannot
14. What is the purpose of \$_Session []?
 (A) Used to register a global variable (B) Used to initialize session
 (C) Use to store variables of the current session (D) Used to view current session
15. Which XSL type is used for navigation in XML documents?
 (A) XSLT (B) XPATH
 (C) XSL-FO (D) XML-AP
16. _____ is a term used about text data that will be parsed by the XML parser
 (A) CDATA (B) PCDATA
 (C) NDATA (D) PGDATA
17. Ajax has become very commonly used because _____.
 (A) It allows pages to be interactive without further communications with server
 (B) XML is a close relative of HTML
 (C) It avoids the need of js
 (D) At allows page content to be updated without requiring a full page reload
18. The jQuery Ajax methods.get (), post () and ajax () all require which parameter to be supplied?
 (A) Method (B) URL
 (C) Data (D) Headers
19. Web services components are written in which markup language?
 (A) SGML (B) XHTML
 (C) XML (D) HTML
20. Web services are _____.
 (A) Loosely coupled (B) Tightly coupled
 (C) Either loosely or tightly coupled (D) Both loosely and tightly coupled

PART – B (5 × 4 = 20 Marks)
 Answer ANY FIVE Questions

21. Differentiate between internet and intranet.

22. Write a javascript that calculates the squares and cubes of the numbers from 0 to 5 and outputs HTML5 text that displays the resulting values in table format, as shown below, [Note: don't take input from user]

Number	Square	Cube
0	0	0
1	1	1
2	4	8
3	9	27
4	16	64
5	28	125

23. What are the phases of servlet life cycle?
24. Describe how cookies can be used to store information on a computer and how the information can be retrieved by a PHP script.
25. Create an Ajax-enabled version of the feedback form as the user moves between form fields, ensure that each field is non-empty. For the email field, ensure that the e-mail address has a valid format.

Feedback from

Name:

Email Id:

Comments:

26. Create a HTML5 document containing an ordered list of three items-ice cream, soft serve and frozen yogurt. Each ordered list should contain a nested, unordered list of your favorite flavors. Provide three flavors in each unordered list.
27. Write a CSS for HTML5 document. The style sheet should contain a rule that displays h1 elements in blue. When the mouse hovers over h1 element, change the text background color to yellow.
 [Note: Assume 4 h1 elements available in HTML5 document].

PART – C (5 × 12 = 60 Marks)
 Answer ALL Questions

28. a. Explain about web2.0 and importance of rich internet applications.

(OR)

- b. A local university has asked you to create an HTML5 document that allows prospective college students to provide feedback about their campus visit. Your HTML5 document should contain a form, text fields for a name and e-mail. Provide check box that allow prospective students to indicate what they liked most about the campus. The checkboxes should include: campus, students, location, atmosphere, hostels and sports. Also provide radio buttons that ask the prospective students how they became interested in the college. Options should include: friends, television, internet and other.
 Hint: Apply necessary CSS for alignment.