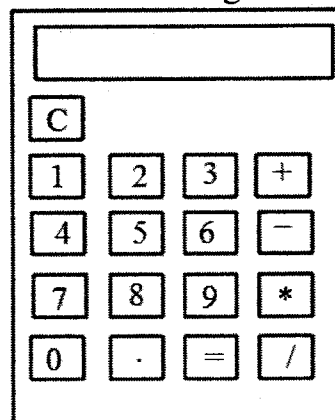


- ii. Write a javascript code to validate the entered HTML form data with the following criteria
- User name should not be empty
  - Password length should not exceed 8 characters and there should not be any special characters
  - Mobile number should contain ten digit number only
  - E-mail should contain @ and .dot symbols.
- (8 Marks)

(OR)

- b. Write the necessary HTML and CSS codes to design the following simple calculator.



30. a. Explain in detail about the various JSP elements and JSP life cycle with necessary code snippets.

(OR)

- b. Create a webpage to fetch the user registration details (user name, password, email, phone no) and display the details on the next page when the page is submitted using servlet.

31. a. Explain the following in detail

- DOM parser
- SAX parser with suitable code snippets

(OR)

- b. Create a phone book in PHP which includes name and phone number. Include the following operations in the phone book

- Insert the contact details
- Search a contact in the phone book

32. a. Explain the following in detail

- Working architecture of web services
- SOAP
- WSDL

(OR)

- b. Explain about the architecture of AJAX web application with the sample code snippet.

\* \* \* \* \*

Reg. No.

**B.Tech. DEGREE EXAMINATION, MAY 2018**  
1<sup>st</sup> to 6<sup>th</sup> Semester

15IT304J – WEB PROGRAMMING

(For the candidates admitted during the academic year 2015 – 2016 onwards)

Note:

- 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 45<sup>th</sup> minute.
- 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

- \_\_\_\_\_ directs packets to a specific computer using \_\_\_\_\_.  
(A) MAC layer, port number (B) IP, IP address  
(C) HTTP, MAC address (D) TCP, TCP ID
- DHCP means \_\_\_\_\_.  
(A) Dynamic home configuration (B) Domain host configuration protocol  
(C) Dynamic host configuration protocol (D) Dynamic host casting procedure
- \_\_\_\_\_ is a collection of \_\_\_\_\_ with the same geographical area, for instance a city  
(A) MAN, LAN (B) LAN, WAN  
(C) SAN, LAN (D) MAN, WAN
- The following elements <header>, <footer>, <articles>, < section> are the new elements in HTML5. These are called \_\_\_\_\_.  
(A) Graphic elements (B) Semantic elements  
(C) Multimedia elements (D) Control elements
- The best place to keep the javascript code is \_\_\_\_\_.  
(A) Head tag (B) Middle of the body  
(C) Starting of the body tag (D) Just before the closing of body
- In javascript, window.prompt will be used to \_\_\_\_\_.  
(A) Prompt user to input value (B) To handle window layout  
(C) To define the size of the alert box (D) Error handling
- DOM stands for \_\_\_\_\_.  
(A) Dialog object methods (B) Document object model  
(C) Direct object method (D) Directory object model
- \_\_\_\_\_ is the syntax for regular expression in javascript.  
(A) RegExp(pattern); (B) Var re = /pattern/;  
(C) Regex (/pattern/); (D) cRegex (pattern);

9. Which of the following code is used to get names of the parameters in servlet?  
 (A) request.getParameterNames () (B) response.getParameterNames ()  
 (C) Header.getParameterNames () (D) getRequestDispathcer ()
10. Which of the following is the correct order of servlet life cycle phase methods?  
 (A) init () service () destroy ()  
 (B) init () service () end ()  
 (C) init () execute () destroy ()  
 (D) init () service () delete ()
11. In the init(ServletConfig) method of servlet lifecycle, what methods can be used to access the ServletConfig object?  
 (A) getServletInfo () (B) getServletConfig ()  
 (C) getServlet () (D) getServletConfigured ()
12. Which method defined in the HttpServlet Request returns the object of RequestDispatches?  
 (A) getRequestDispathcer () (B) getDispatcher ()  
 (C) SendURL () (D) HTTP ()
13. PHP stands for \_\_\_\_\_.  
 (A) Hypertext preprocessor (B) Prehypertext processor  
 (C) Prehyper processor (D) Prehypertext process
14. PHP sessions are created using the \_\_\_\_\_ function.  
 (A) Sessions\_Start () (B) Session\_Start ()  
 (C) Session\_Starts () (D) Session\_Create ()
15. XML validate against a \_\_\_\_\_ is considered as valid XML  
 (A) JQUERY (B) Parser  
 (C) CFG (D) DTD
16. Which of the following are common APIs. For XML parsers  
 (A) XALAN, XForms (B) XSL-FO SVG  
 (C) SAX, DOM (D) Xerces, Xparse
17. XMLHttpRequest is a \_\_\_\_\_.  
 (A) Javascript function (B) Java script object  
 (C) PHP function (D) XML object
18. The callback method used by XMLHttpRequest is \_\_\_\_\_.  
 (A) Onready state change (B) Onready state changed  
 (C) Onready state close (D) Onreal state changed
19. What is WSDL?  
 (A) Web service data language (B) Web service definition language  
 (C) Web services description language (D) Web systems declaration language

20. AJAX stands for \_\_\_\_\_.  
 (A) Asynchronous java server and XML (B) Asynchronous java and extensible  
 (C) Asynchronous java script and XML (D) Asynchronous Jscript and XML

**PART – B (5 × 4 = 20 Marks)**

Answer ANY FIVE Questions

21. Write notes on web 2.0.
22. How would you set the dimensions of an elements using CSS? Write a sample CSS code.
23. Design the following from in HTML and use javascript to greet the user with alert message.
- Enter your name:
24. Write servlet code for fetching parameters from a form and display the name with 'welcome' message.
25. With necessary code snippets demonstrate setting and retrieving cookies using PHP.
26. Write note on DTD and schema in XML.
27. Mention any four important characteristics of web services.

**PART – C (5 × 12 = 60 Marks)**

Answer ALL Questions

28. a. Design the following from in HTML
- (i) Use <table> and <div> elements for the proper alignment of elements inside the form (10 Marks)
- (ii) Place the form in the center of the view port using CSS code (2 Marks)

Name:

Age:

Mobile:

City:  ▼

Counrty:  ▼

(OR)

- b. Elaborate on layout and positioning in CSS with necessary sample HTML and CSS codes.
29. a.i. Design a form in HTML with the following fields: user name, password, mobile number, e-mail. (4 Marks)