

WEB TECHNOLOGY

Important Questions

World4Engineers

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Chapter 1

1. Explain HTTP Request and Response with header details. Also explain http status code.
2. Give full name of following acronym. (1) CGI (2) WAP (3) SOAP (4) RSS (5) XSL (6) HTTP (7) XML (8) FTP (9) DOM (10) DHTML (11) DTD (12) WML (13) ISP (14) TCP
3. Write short note on Web Services.
4. Explain HTTP request and response with POST, GET, PUT, DELETE, TRACE and OPTION.
5. What is the difference between GET and POST methods in form submitting? Give the cases where we can use GET and POST methods.
6. Explain the need of web server and web browser.
7. Explain HTTP Request and HTTP Response mechanism over the Internet.
8. Write a note on secure connection over Internet.
9. Write a note on web services.
10. Explain HTTP, FTP.
11. Write short note on the following I) Web Server II) Web Feeds
12. Give the full name of the following acronyms. (i) HTTP (ii) FTP (iii) PHP (iv) HTML (v) XML (vi) XSLT (vii) TCP (viii) UDP (ix) URI (x) URL (xi) DOM (xii) DTD (xiii) WML (xiv) WAP
13. How many types of list are supported by HTML? Explain each one in brief.
14. What is HTTP? What are HTTP request and response? Give the limitations of HTTP.
15. What is HTTP? How do browser and server communicate using HTTP request and response? Explain with example.

Chapter 2

1. Discuss different web site design issues in detail.
2. Discuss different design issues at the time of designing an effective website.

Chapter 3

1. Explain Following tags in HTML: Frame, Frameset, Table, Form
2. List Five Tags in HTML. Write code to display following table

| | | | |
|---|---|---|---|
| A | | | |
| B | C | | D |
| | E | F | G |
| H | I | J | |

3. What do you mean by meta tag? Explain different meta tags.
4. What is frameset? Explain the use of frameset in web site design with proper example.
5. Differentiate following. 1. HTML and XHTML 2. GET and POST
6. Explain following HTML tags with example and important attributes.
 1. <meta> 2. <a> 3. <form> 4.

7. Explain any seven HTML Tag with example.
8. Explain Meta tag in HTML with examples like refresh, search web page etc.
9. XHTML is stricter language than HTML. Justify.
10. List different types of input elements in HTML. Explain any two with example.
11. What is meta tag? How it is useful by search engine?
12. Write HTML code to display following irregular table.

| | | | | | |
|---|---|---|---|---|---|
| A | B | D | E | | F |
| | C | | G | H | I |
| J | | | | | |
| K | | | L | M | |

13. What are frames? List out its advantages and disadvantages.
14. Explain following HTML tags with their important attributes.
 - i. <form>
 - ii. <frameset> and <frame>
 - iii.
15. What is HTML? Explain lists tag with Example.
16. Explain XHTML Document Structure with Example.
17. Describe the structure of a HTML document. What is the difference between tag and attribute? Explain with an example.
18. How many types of list are supported by HTML? Explain each one in brief.
19. What do you mean by meta tags? What is its use? Describe with example.
20. Explain the use of HTML table element for designing the web page layouts with appropriate examples.
21. What is HTML table? Explain table element with necessary attributes. Give the code to print following table.

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |

22. What do you mean by meta tags? What are their purposes? Explain the different meta tags.
23. What is frame set? Explain the use of frame set in web site design with proper example.
24. Answer the following questions. 1. Difference between HTML and XHTML 2. How can you write DTD?.

Chapter 4

1. What is CSS? Explain Class and ID Selector in CSS with examples.
2. What do you mean by "class" and "id" in CSS? Show the use of external CSS with example
3. What is Cascading Style Sheet (CSS)? Explain different types of CSS with example.
4. Explain CSS and its types with example.

5. What is Cascading Style Sheet? Compare inline, embedded and external style sheet with example.
6. Explain following properties with respect to CSS. 1. Float 2. Margin
7. Write HTML code to design the page layout using table tag like header, sidebar and content area. Header, sidebar and content area contain image as a background, menu using hyperlinks and login facility respectively. Use External style sheet.
8. What is style sheet? Explain various ways to write style rules in CSS with example.
9. Write a HTML program to draw table shown below.
Also write CSS rules so that
 1. table background is of RED color
 2. Cell data is center aligned.

| | | | |
|---|---|---|---|
| A | B | C | D |
| E | F | | |
| G | H | I | |

10. What is CSS? Explain Internal, External style sheet.
11. Explain CSS Positioning with Example.
12. What is cascading style sheet? Write short note on (i) Inline style sheet (ii) External style sheet.
13. Describe the following.
 1. XHTML
 2. Classes in CSS
14. What do you mean by “class” and “id” in CSS? Show the use of external CSS with example.

Chapter 5

1. Explain various error handling techniques in java script with examples
2. Write a Java script to validate email address entered by user
3. Write a Java script to display today's date and time on windows status bar. Time should be updated at every one minute.
4. Explain Event object in java script. Write a java script to print (x,y) co-ordinate of mouse pointer on windows status bar
5. List seven mouse events in JavaScript. Explain mouse move and mouse click with proper example.
6. What is javascript? What are its uses? Write a javascript code which reads the number from textbox and prints list of numbers starting from 1 on web page.
7. Write JavaScript program to print 1 to N Prime Number. Where number is entered by HTML Form.
8. Write a java script to print prime number up to n. value of n is given by user in HTML Page.
9. Write a Java Script to read data from XML File and print it in tabular manner.
10. Write a Java Script to validate email address. Explain substr(), explode in PHP.
11. What are the uses of JavaScript? Explain any two with example.

12. Design a web page which contains list of radio buttons (car names) and one image element/tag. When particular car name is clicked then image element displays the chosen car into image tag. Write HTML and JavaScript code for the same.
13. Design a web page which contains image and button element/tag. When button is clicked then images get changed periodically (every 5 Sec). Write HTML and JavaScript code to generate the same.
14. Explain different types of pop box in JavaScript.
15. Design HTML page with one textbox and image tag. When focus moves from textbox then all characters should be converted to uppercase and when mouse over/out on image then image should be changed. Write JavaScript code for the same.
16. Explain advantages of external JavaScript with example.
17. Why java script is called Client side scripting? Explain advantages of java script.
18. Explain following java script functions.
 1. alert() 2. prompt() 3. confirm()
19. Create HTML form with one button having label "Click Me". Also write java script to show "You Clicked Me" message when a user clicks on button.
20. Explain various loop structures in java script with example.
21. What is JavaScript? Explain Variable scope and assignment with Example.
22. Create HTML Page with JavaScript which takes Integer number as input and tells whether the number is ODD or EVEN.
23. Explain Array, Function with Example (with reference to JavaScript).
24. Create HTML Page with JavaScript which takes Integer number as input and tells whether the number is Prime or Not.
25. Write a program using Java Script, which sorts elements of an array in descending order using bubble sort.
26. What are objects in Java Script? Explain properties, methods and event of window object of Java Script.
27. Create a HTML page with Java Script, which takes one integer number as input and tells whether the number is even or odd.
28. Create a HTML page using Java Script, which gives functionality calculator like addition, multiplication, division and subtraction.
29. How can you perform validation using JavaScript? Show the validation using JavaScript with simple form having name, phone number and email field.
30. What is document object? Show its use in accessing the form elements with example.
31. What is Document Object Model? Explain the various objects in Document Object Model.
32. What do you mean by event in JavaScript? Give at least two examples of events with their handling.
33. Write a JavaScript program to print first N odd numbers divisible by 7.
34. Answer the following questions with respect to JavaScript. 1. Give the different purpose for which JavaScripts are used. 2. Writing user defined objects in JavaScript.

35. Write an HTML form accepting an integer having 4-digits. Provide necessary validations using JavaScript. Input should not accept characters.

Chapter 6

1. What is DTD? Give example of it. Differentiate DTD and XSD
2. Write an XSD file for emp.xml file to provide following constraint: 1) Emp ID is unique, mandatory 2) Pancard no is mandatory 3) contact no may be zero or more. Also write emp.xml file with sample records.
3. Write an XSL file to print list of items which has price >100 Rs. for item.xml file in tabular structure. Also write sample items.xml file.
4. Web Blogs, Web feeds Write a xml code to create your own web feeds.
5. Develop XML document that will hold player (Like Cricket) collection with field for player-name, age, batting-average and highest-score. Write suitable document type definition and schema for the XML.
6. What is Schema and DTD? Explain it with example.
7. What is XSLT? Show the example of using XSLT.
8. Develop XML File for book record and also write a DTD and XSL for it.
9. Compare DTD and schema for XML.
10. Write XML file to store book information like its name, author, publisher and price for at least two books and also gives the DTD for the same file.
11. Write and explain rules for well formed XML document.
12. Write a note on DTD.
13. What is XML? Explain XML Key Components.
14. What is DTD? Give and explain the simple DTD.
15. What is XML? What are rules of elements in XML? Write the disadvantages of attributes of XML.
16. Define the following with reference to XSL (i) value-of (ii) if (iii) for-each (iv) XSL:choose (v) sort (vi) XSL : fo (vii) xpath
17. What is a DTD? What are its applications? What are its advantages and disadvantages?
18. Explain the key components of the XML with suitable examples.
19. What is XML? Give its elements and explain its use with example.

Chapter 7

1. What is Session in PHP? How shopping cart can be maintained with Session concept sample PHP code
2. Write php code to upload simple text file on webserver.
3. Write a code to design single PHP page with following requirement. 1. It accept username and password 2. When user click on submit button then authenticate user id and password. 3. Also perform validation (using JavaScript) like any of input field should not be blank.
4. What are cookies in PHP? Explain it with example.
5. What is an associate array in PHP? Explain built in associate arrays in PHP.
6. What is session? Explain session management in PHP with example.

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7. Write PHP and HTML code to upload file from client to server.
8. Explain file and directory related functions in PHP with example.
9. Write PHP and HTML page to get the reverse of entered string in textbox when button is clicked.
10. Explain and demonstrate with suitable example Session and Cookie using PHP.
11. Develop PHP script to retrieve – process xml data and print on screen.
12. Write a PHP script to upload a text file.
13. Develop web service to print 'Hello World' using PHP programming.
14. Explain index and associative arrays in PHP.
15. Write a code to design a web page in PHP which allows user to upload file with following restrictions.
 - Only pdf and jpeg file can be uploaded.
 - File size should not exceed 1000KB.
 - Same name file should not be there in folderIf upload is successful then it should display all details of the file like its name, size and type otherwise it asks to upload again if it does not satisfy above requirements.
16. Explain the use of following arrays in PHP. 1. \$_REQUEST [] 2. \$_SERVER []
17. What is cookie in PHP? How to create and destroy it? Is it used to transfer data among the pages? If yes, then give its example.
18. What is session? How cookie and session are related? If any browser has disabled accepting cookie, then how to maintain session between each request from client to server and vice versa. Explain with example.
19. How to read directory in PHP? Write sample code for the same and explain it.
20. How to read and write file in PHP? Explain with example.
21. Explain various types of arrays in PHP with examples
22. Create HTML form with one textbox to get user's name. Also write PHP code to show length of entered name when, the HTML form is submitted.
23. Give differences between following.
 - i. GET versus POST
 - ii. Cookie versus Session variable.
24. Create HTML form to enter one number. Write PHP code to display the message about number is odd or even.
25. Write a PHP program to make the sum of first 100 even numbers.
26. Explain the PHP session and PHP cookie with an example.
27. Explain file upload in PHP with an example.
28. Explain the PHP session and PHP cookie with an example.
29. What is an HTML form? How can you access the form data in php page? Explain with suitable example.
30. Write a PHP program that receives the value of N using HTML form and displays the first N Fibonacci numbers as HTML list.
31. Explain the PHP arrays with example.
32. What is session? How do php manage the sessions? Give an example to store and retrieve, your age as session variable
33. What is cookie? Explain the setcookie() function in PHP with meaning of all the arguments.

34. Write a PHP program to make the sum of first 100 odd numbers.

Chapter 8

1. Write a PHP program to store user registration (user-name, address, Date of Birth, age, pan card, gender) with mysql database.
2. Write PHP Program to store user registration with My Sql Database.
3. Write a code to design single PHP page with following requirements:
 - It accepts input like firstname, lastname, age and city.
 - When user clicks on submit button then his/her details should be inserted into table.
 - Also it performs validation (using JavaScript) like any of the input filed should not be empty.Assume that database and table are created in MYSQL.