

## Web Programming-II

1.1 year 2004

1. What is cookie? Write a code for simple cookie. [3]
2. Define XML and XSL. [2]
3. What is Image mapping? How is image mapping done in HTML? Explain with an example. [3]
4. What are the three types of hyperlinks? [2]
5. What is EDI? What are the differences between EDI and E-mail? [2.5]
6. Explain the operation of public key encryption. What is digital certificate? [2.5]
7. Define the browser object hierarchy? Explain with examples why the understanding of the object hierarchy is important in JavaScript programming. [2.5]
8. What do you understand by object and instance of object? How can you access object properties in JavaScript? [2.5]
9. What is the role of webmaster? Write the importance of data backup. [3]
10. What do you mean by web hosting? [2]
11. a. Make a simple program to display the contents of a form submitted by users in ASP. [3]
12. Explain how do application and session objects help in storing information. [2]
13. a. What are form elements? Write tag for a page on which you can input name and address, select gender, marital status and supply your interest. [2]

Suppose we have a database named database containing a table named table1 having fields name and employer number. Write an ASP code to insert following data: [3]

hari in name field	123 in employee number
field	use DSM less connection

Year 2005

**Attempt Any SIX**

**Questions:**

**[6×5=30]**

1. a. What is ISP? What are the services that you can get from an ISP?
2. What do you understand by client/server model? Discuss 3 functionalities handled by the client. [3]
3. . What is document object model (DOM)? How it helps to make web page dynamic ?
4. What are cookies? Write a code to set the cookie and display it.
5. Why do we actually use client side scripting? [2]
6. Why do you think the need of server side scripting arising? [3]
7. a. What are different types of Electronic payments system? List those and explain briefly. [2]
8. What is Common Gateway Interface (CGI)? Explain it with example. [3]
9. What do you understand by markup languages? [1]
10. Explain the concept of image mapping and the hot zones along with the example. [2]
11. What is the purpose of CSS? [2]
12. Differentiate between the substr and substring. [2]
13. Make an object student with properties name, age and roll number and the method as showdetail which should display these information about the student using th JavaScript codes. [3]
14. Make an HTML form to accept the name (text box), email (text box), gender (radio button), area of interest (checkbox, take at least three input). [2]
15. Write an ASP code to store the information obtained from the form in the database using the DSN connection.

Year 2006

**1. Give Brief Answer for the following question:**

1. What is session?
2. What is CGI?
3. What is an ISP?
4. What is SSL?
5. What is the difference between a client and server side script?
6. What is an e-commerce?
7. What is the purpose of overflow attribute of the DIV tag?
8. Write the full form of EDI.
9. Which property of the cookie is used retrieve value of cookie?
10. Write the output of the following html code.

catdog

**Attempt any SIX question:**

1. A database contains records of the students' with attributes name and roll number of The students, subject and grade in each subject and aggregate grade. Write code in ASP to display the records of the students whose aggregate grade is A. [5]
2. Describe the process of public key encryption. [5]
3. Write a code showing the image mapping and linked style sheets. [5]
4. Create an HTML form to accept the following information Name, Date of birth, Gender Academic Qualification, Address, Phone No., E-nail [2.5]
5. Write an ASP code to store submitted information into the database [2.5]
6. What is EDI? Write the features of Internet based EDI. [2.5]
7. What is cookie? Write code to create a cookie and read the cookie either in ASP or JavaScript. [2.5]
8. What is an event handler? Describe with code snippet. [2]
9. What are different types of Electronic payment System? Explain one of them. [3]
10. Write short notes on: (any one) [2 X 5 = 5]
  1. POST METHOD
  2. HTTP

- Application object

Year 2007

1. **Give Brief Answer for the following questions: [10x1=10]**

1. What is CGI?
2. Define Response Object in ASP.
3. Define World Wide Web.
4. Define ftp.
5. What is SMTP?
6. What is the use of parseInt()?
7. What do you mean by HTTP?
8. What is XML?
9. What would be the output of the following code?

```
{li?list item
```

1. What do you understand by server side includes?

**Group 'B'**

1. What are three different classes of media files (Audio and Video) on Internet? Briefly explain each with examples.
2. What is Cookie? Explain with code.
3. What do you understand by CSS? How can you add them in a document? Explain with examples.
4. What do you understand by cryptography? Describe the public key encryption in detail.
5. a. What is EDI? What are the differences between EDI and E-mail?
6. How you will protect your computer from e-mail virus?
  6. Construct an HTNL form to accept the following user information – Name, Age and Gender.

Use appropriate type of controls to intake the information.

1. Create an ASP page to obtain the information from the client and store them to the database.
2. Write short notes on (any two)
  1. DOM
  2. Computer Virus
  3. C2C e-commerce

Year 2009

**1. Brief answer questions:**

1. What is session?
2. What is the use of 'charAt()'?
3. Who are hackers?
4. Define e-commerce.
5. List functions of Webmaster.
6. What is web server?
7. What is Business-to-Business ecommerce?
8. What is web browser?
9. What is web safe color?
10. Define spam.

**Attempt any Five questions**

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1. What is event? Make a form with a textbox and a button. Write a function to handle on click event of button which displays the text written in the text box on the button.
2. What is HTML? Make a web page which contents: a table with three rows and four columns. First two rows contain four images each. The last row contents only two cells and those cells contain a button each.
3. What do you mean by well formed XML documents? Explain use of XSLT with example.
4. Write a code in asp or asp.net to display all records of table named "customer" with following attributes (cid, name, age) contained in database "customers". (You can assume any DBMS)
5. What is encryption? How is digital signature made? Explain
6. Write short notes on: **(any two)**
  1. Cascading style sheet
  2. Frame
  3. Global.asa or global.asax.

Year 2010

**Brief answer questions:**

**[10x1=10]**

1. Write the importance of client side validation.
2. What is CGI?
3. What do you mean by browser compatibility?
4. What does PHP stands for?
5. List the limitations of javascript.
6. Define cookie.
7. In order list, which attribute is used to change the numbering scheme?
8. What is Data Recovery?
9. What is DNS?
10. How is data function used in PHP?

**Short Answer Questions (Any Five)**

**:**

1. Write a HTML code that creates a table with 3 rows and 4 columns.
2. Write a javascript function that reads two numbers from a prompt box and alert the sum of those two numbers.
3. Write a PHP script to connect to database, executive insert command and close connection with database.
4. What is CSS? Explain its types.
5. Differentiate between Internet and WWW? Explain HTTP and TCP/IP protocols.
6. Write a HTML code that has a nested list containing both ordered and unordered list items.

**Long Answer Questions**

**:**

1. **a)** Construct a HTML form to take the user information. The users need to provide his/her first name, last name, address, telephone number, email address, fax no, hobbies, and marital status.
2. **b)** Write the javascript code to validate the above form. Fields should not be left blank, telephone number should be in integer, and email should be valid.

3. Write down the PHP script to display 'data from a table to a web page in following format. Assume your own database and table name.

S.NO	Full Name	Address	Telephone	Email

4. What are the core components in a web-hosing environment?

Year 2011

**Brief answer questions:**

**[10x1=10]**

1. List some names of client side scripting languages.
2. Which object of JavaScript is used to know the names of web browser?
3. What is use of alert function in JavaScript?
4. What is web browser?
5. Define Document Object Model (DOM).
6. What do you mean by session variable?
- 7.
8. Write the use of mysql\_db() function.
9. What do you mean by event?

**Short answer questions:**

2. Write a HTML code that creates a table with 2 rows and 2 columns with one image in each cell.
3. Make a web page with one image and one button. If the button is clicked, image shown in page is changed to another image.
4. Explain Hyper Text Transfer Protocol (HTTP).
5. Write different types of list found in HTML and explain any one of them.
6. Differentiate between absolute positioning and relative positioning of elements in a web page.

**Long Answer Questions:**

2. Construct an HTML form to take user information. The users need to provide his/her first name, last name, address, telephone number, email address, fax no, hobbies and marital status. Write the JavaScript function to show values given by user in above form in web page.
2. Write a code in PHP to insert record into database with following information,
  - Server Name : localhost
  - User name root : user
  - Password : dcba
  - Name of database : users,
  - Name of table : userInfo
  - Attributes of userInfo table are : (cid, cname, age)

[Assume any value for the attributes of table]

3. What do you mean by web-hosting? Explain



2012

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- i. What is cookie?
- ii. Where is client side scripting language executed?
- iii. What is the purpose of DIV tag?
- iv. Define web browser.
- v. What is use of Action property of FORM element?
- vi. Define web server.
- vii. What do you mean by inline style?
- viii. What is hyperlink?
- ix. How is radio button in Html form created?
- x. What is DOM?

**Group "B"****Short Answer Questions:****[5 × 3 = 15]**

2. Differentiate between GET and POST methods. How GET and POST data are received in server side program?
3. Write a code to make connection with database and execute select query.
4. What are the tags of HTML used to create table? Explain.
5. Explain the loops found in JavaScript.
6. What is web hosting? What are the roles of webmasters?

**Group "C"****Long Answer Questions:****[3 × 5 = 15]**

7. Write one single program in HTML and JavaScript that displays a web form with following elements: one textbox, two radio buttons, one options selection box (combo box) and a button; onclick event is defined for the button. As button is clicked all the values of the form elements are displayed.
8. Create a table as below in JavaScript.

S. No.	Name	Place	Time		Amount
			Arrival	Departure	
1	Ram	New Road	07:30	08:45	Rs. 25
2	Sita	Kirtipur	09:00	10:15	Rs. 30

9. Customers name, age, address, contact number are stored in table name "customers" in database named "XYZ". Now write program to take name of customer and display his/her age, address and contact number of that customer if his/her name is found in the database, otherwise display "Customer not found" message. (You can assume any database server, user and password).



Form

2013

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*Candidates are required to answer the questions in their own words as far as practicable.*

**Group "A"**

**1. Brief Answer Questions:**

**[10 × 1 = 10]**

- i. Define web browser.
- ii. What is scripting language?
- iii. Define DOM.
- iv. List the types of CSS.
- v. Define web server.
- vi. Why do we need FORM tag?
- vii. What is cookie?
- viii. Define hyperlink and why is it important?
- ix. What are web protocols?
- x. Define static and dynamic page.

**Group "B"**

**Short Answer Questions:**

**[5 × 3 = 15]**

2. Explain \$\_GET, \$\_POST arrays.
3. How does client side validation help in web technology? Explain.
4. What do you mean by web hosting?
5. How is array created in PHP? Write a program in PHP that displays sum of n numbers.
6. Describe different types of tier architecture.

**Group "C"**

**Long Answer Questions:**

**[3 × 5 = 15]**

7. Make following web page with two text boxes and a button. As button is clicked values given in text boxes are inserted in database. (about database make your own assumption)

Enter name

Enter age

8. Explain following:
  - a. <img> tag
  - b. <table> tag
  - c. <div> tag
  - d. mysql\_fetch\_assoc()
9. Explain purpose of cookies with suitable example.

2014

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*Candidates are required to answer the questions in their own words as far as practicable.*

**Group "A"****1. Brief Answer Questions:****[10 × 1 = 10]**

- i. What is WWW?
- ii. What are jobs of web server?
- iii. What is \$\_POST in PHP?
- iv. What is use of <img> tag?
- v. Define DOM.
- vi. How is array created in JavaScript?
- vii. What is middle tier in 3 - tier architecture?
- viii. What is use of 'href' property?
- ix. Which function is used in JavaScript to display message in box?
- x. What are the benefits of data backups?

**Group "B"****Short Answer Questions:****[5 × 3 = 15]**

2. Explain different types of lists with appropriate examples.
3. What is use of switch...case in JavaScript? Write an example.
4. How client side scripting language differs from server side scripting language? Explain.
5. Briefly explain different types of CSS with appropriate examples.
6. Write HTML code to create following table:

Roll Number	Name	Contact Details	
		Email	Phone Number

**Group "C"****Long Answer Questions:****[3 × 5 = 15]**

7. Write JavaScript code to ensure that the following user submitted data are in correct format- *roll\_number*, *name*, *email* and *phone\_number*.  
[Hint: *roll\_number* and *phone\_number* are numbers, *name* is not blank and *email* is in a valid format.]
8. Write PHP code to capture user submitted data (name,age,address) and insert them into a database table. Make your assumptions about name and type of all the variables and database.
9. Write short notes on:
  - a. Session variable
  - b. HTTP



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*Candidates are required to answer all the questions in their own words as far as practicable.*

**Group "A"****Brief Answer Questions:****[10 × 1 = 10]**

1. What is web browser?
2. What are the basic rules of PHP?
3. What is cookie?
4. Write syntax of if statement.
5. What is array padding? Give example.
6. Write code to assign values to an array.
7. Write syntax of function in PHP which returns value to the calling function.
8. How is the connection with the web server created?
9. What is the role of `mysql_fetch_array()` in php?
10. What does `mktime()` function do?

**Group "B"****Exercise Problems:****[5 × 4 = 20]**

11. Write a program in PHP to add three numbers.
12. Write a program to display first and last character of a string.
13. Create two integer arrays of size 5 each with data in them. Then display sum of all the number of both arrays.
14. Write a program in PHP to store "coding in PHP" in a file named "coding.txt".
15. Make following table using PHP.

Name	Age	Gender
R	21	M
A	20	F

**Group "C"****Comprehensive Answer Questions:****[2 × 5 = 10]**

16. Explain the steps and functions required to delete records from database table.
17. Differentiate between GET and POST method. How these two methods of data submission is handled in PHP? Explain with example.

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**Group "A"**

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**Group "B"**

**Short Answer Questions:**

**[5 × 3 = 15]**

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		Email	Phone Number

**Group "C"**

**Long Answer Questions:**

**[3 × 5 = 15]**

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[Hint: *roll\_number* and *phone\_number* are numbers, *name* is not blank and *email* is in a valid format.]
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  - a. Session variable
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