POKHARA UNIVERSITY

Level: Bachelor   Semester – Fall   Year   : 2011
Programme: BE   Full Marks: 100
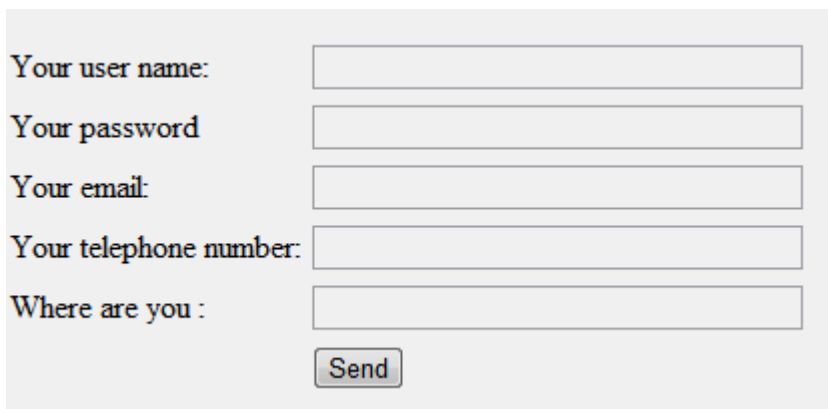Course: Web Technology   Pass Marks: 45
                                              Time   : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Discuss the need of web browser and web server in accessing the Internet.   5

    b) List the different MIME headers and explain them.   5

    c) Discuss the need of HTML? Illustrate with a very basic example the structure of a simple HTML document.   5

2. a) Write the form code for the following image.   5

Your user name:	
Your password	
Your email:	
Your telephone number:	
Where are you :	

Send

    b) What are the different levels of style sheets with their hierarchy of implementation to a file? Explain the DIV and SPAN tags with a valid and detailed example.   10

3. a) Why is JavaScript called client side scripting language? Explain the advantages of using client side scripting language. Support your answer with an example scenario.   8

    b) What is DOM? Write a code synopsis to represent dragging and dropping of elements in JavaScript.   7

4. a) Using JavaScript and forms prepare a HTML document to find (and display in a textbox) the factorial of an entered number. Also display the message in alert box if the factorial is divisible by both 2 and 5 or not. 8

   b) Why PHP is called server side scripting language? Briefly explain any five general syntactic characteristics of PHP. 7

5. a) How can we connect to a database using PHP? Write working code to connect to the database and save the contents of the form in question no 2a) above. 10

   b) List and briefly explain the arithmetic and logical operators used in PHP. 5

6. a) What do you understand by file handling? Write a program using PHP and HTML forms containing 3 text fields and 1 number field, and write the content of the fields to a text file on the click of a submit button. 8

   b) What is SOAP? Discuss a scenario where we can use a SOAP envelope. 7

7. Write short notes on **any two:** 2×5

   a) RSS and usage of RSS Feeds

   b) Significance of HTTP Request and Response headers

   c) Trends of Electronic Payment System in Nepal

POKHARA UNIVERSITY

Level: Bachelor	Semester – Fall	Year : 2013
Programme: BE		Full Marks: 100
Course: Web Technology		Pass Marks: 45
		Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Explain Client Server operation in details. How domain name registration & hosting is carried out? Explain with your ideas. 8

   b) Explain how HTTP works? Differentiate between POP and SMTP, FTP and WAP. 7

2. a) Explain the Rowspan, Colspan, Celspacing, Cellpadding properties with HTML code. 5

   b) Illustrate the use of List and Table tag with all its proper attributes. 5

   c) Explain Background and Text style elements with example using external CSS. 5

3. a) List out the Font, Background, Text & Border properties with values. Explain uses of Span & Div tag. 7

   b) What do you mean by DOM in javascript? How XHTML element positioning, visibility, stacking are possible in java Scrijpt. 8

4. a) How pattern matching can be achieved for email, phone number, password in JavaScript? Explain blur, focus, select event with an example. 7

   b) Can we use JavaScript for server side script? How Element Visibility can be changed using JavaScript? Explain with example 8

5. a) What are the main uses of PHP in web programming? Why PHP is called as Server Side Scripting Language? 8

   b) Write a PHP and MYSOL code to check authorized user for your web site. 7

6. a) Explain select, insert, update, delete and join MYSql Command with an example.   8

   b) Explain the importance of Session in PHP . Briefly describe different kinds of Array in PHP.   7

7. Write short notes on **any two:**   2×5

   a) Use of frameset and iframe tag

   b) Multimedia in HTML

   c) Using Class & ID in CSS

   d) Event and Event handling in Javascript

POKHARA UNIVERSITY

Level: Bachelor   Semester – Spring   Year   : 2012
Programme: BE   Full Marks: 100
Course: Web Technology   Pass Marks: 45
                                                        Time   : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Define DNS? Explain about different protocols HTTP, POP, SMTP, FTP and their uses.   8

    b) What does the web has impact on today's technology? How does client communication with server?   7

2. a) Write an HTML code to generate the following table with form elements.   10

Fill the Form Below	
Name	
Password	
Feedback	
Gender	◎ Male ◎ Female
Subiect	☐ Web ☐ Math ☐ Graphics
	Reset All	Submitt Above Details

    b) What are the main purpose of form and frame? Explain.   5

3. a) Define CSS properties with suitable examples   8

1

b) Why do we need client side scripting language? Write a program to display the following table in java Script.   7

S.No	Input	Output
1	5	25
2	6	36
3	7	49
4	8	64
5	9	81

4. a) Write a program in JavaScript to validate a form. Form includes, Email. Password & Submit button. While clicking on submit button validate following: 7
        i. Blank Validation for Email & Password
        ii. Email Validation

   b) Difference between XML and HTML. What do know about XSLT? Explain.   8

OR

How can you move the element, change the colour and font of the text, drag and drop the element using Java Script? Give suitable example.   8

5. a) What are the main uses of PHP in web programming? Explain different kinds of array in PHP.   8

   b) How you connect PHP with MySQL?? Write a PHP code that retrieve all the districts from database in table format   7

6. a) Describe AJAX. What are the main purposes of Cryptography? Explain in detail.   8

   b) Why Perl is appropriate language for CGI? Explain about common gateway interface.   7

7. Write short notes on **any two:**   2×5

   a) Cookies and sessions inphp
   b) Using Class & ID in CSS
   c) File handling in PHP

.

POKHARA UNIVERSITY

Level: Bachelor	Semester: Spring	Year : 2013
Programme: BE		Full Marks: 100
Course: Web Technology		Pass Marks: 45
		Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) What is a web service? Why is http protocol called as a stateless protocol? — 8

   b) What do you mean by URL? Differentiate URL with URI — 7

2. a) Explain about the HTML document structure. Explain about the syntax and fundamental tags used in HTML. — 7

   b) Frames provide a helpful mechanism for dividing a web page into pieces. Justify your answer with a suitable example script. Can a table be employed for creating the pages as an alternative to frames? Modify your frame example by using tables. — 8

3. a) Explain about the style class and style specification format. — 5

   b) Explain about <div> and <span> with an appropriate example. How can your position an element (e.g. heading text) relative to browser window by using css. — 5

   c) Create a page with a button and textbox. The textbox should display a value 'zero' i.e. 0 initially. Write a javascript function so that when you click the button the value of textbox increases with 1 per click. — 5

4. a) What is Document Object Model? Provide an example script for stacking elements. — 8

   b) What is DOM event model? Write a javascript program for locating mouse cursor. — 7

5. a) What is type conversion? How PHP deals with type conversion issue? — 7

   b) How PHP supports pattern matching? Write a php program to find if a sting of text "php" is present using pattern matching. — 8

1

6. a) Create a html form with name and email as input. When you click the submit button the target php should validate the email. Finally, the valid data should be displayed in the browser.   8

   b) Create a MySQL database named library. Create a table named movie with id(number), movie_name(string), release_date (date), director(string) and language(string) fields. Insert data in the table and access the inserted data from the table.   7

7. Write short notes on: (Any two)   2×5
   a) Displaying image in html pages
   b) WAP
   c) Session vs cookie

Level: Bachelor	Semester: Fall	Year : 2015
Programme: BE		Full Marks: 100
Course: Web Technology		Pass Marks: 45
		Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Define DNS. Explain about web server operations in detail. 7
   b) Differentiate between SMTP & POP protocols. Explain about web server. 8
2. a) What tag is used to define a link and explain its attributes with example? 7
   b) Explain types of list with their attributes and examples. 8
3. a) What is the purpose of style sheets? What is the advantage of external style sheets over inline and document-level style sheets? 7
   b) Explain CSS box model with an appropriate example? What is the purpose of class selector? 8
4. a) What do you know about JavaScript DOM? Explain different kinds of dialog boxes. 8
   b) Using JavaScript event write a program that changes the visibility of HTML elements. 7
5. a) Why JavaScript is useful in WebPages? Give the difference between Java & JavaScript with examples. 7
   b) Explain session and cookies with examples. 8
6. a) Write a server side script for user registration having input fields name, password, age, email, phone with a proper client side validation. 8
   b) Write a PHP program that creates a table "Employee (id, name, department, phone, age, address)" and insert query to insert a new row in that table. 7
7. Write short notes on: (**Any two**) 2×5
   a) Array in PHP.

b)   JavaScript Event
c)   Pattern Matching in PHP

POKHARA UNIVERSITY

Level: Bachelor   Semester – Fall   Year   : 2005
Programme: BE.   Full Marks: 100
Course: Web Technology   Time   : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) What are Web browsers?   5

   b) What do you mean by Markup Language? Briefly discuss the importance of HTML in web technology.   5

   c) What do you mean by Markup tags? Explain briefly any five Markup tags.   5

2. a) What do you mean by an attribute? Define anchors.   5

   b) What are the different types of heading in HTML? Explain each with example.   5

   c) Compare and contrast ordered list and unordered list used in HTML with examples.   5

3. a) 'Rather than use physical tags to style your HTML pages, you should be using style sheet.' Justify.   7

   b) What is the difference between relative pathname and absolute pathname? State which one is preferable in which situation.   8

4. a) How can the order, in which the links are accessed by the TAB key, be altered? Explain with examples. Specify the format for a link to open in a new window.   7

   b) What do you mean by In-line Images? How can you keep the images in web page, explain with an example?   8

5. a) Write the complete HTML code to generate the following: 10

   User Interface processing

Input processing	Process and control functions	Output processing	
	Maintenance and self-test		5

b) What are the two basic parts of a form? Briefly, write about the process of processing a form.

6. a) Write the HTML code to generate an admission form for an engineering college.   5

   b) Why multimedia objects are compressed while keeping in web pages?   5

   c) Prepare a check list for setting up a web site.   5

7. *Write short notes on (Any Two)*   2×5

   a) MIME

   b) Escape sequences

   c) GET and POST method

Level: Bachelor	Semester – Fall	Year : 2012
Programme: BE		Full Marks: 100
Course: Web Technology		Pass Marks: 45
		Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) A company asked you to develop website for it. Which language and tools will you use for the development and why? Also how can you put the website online?   8

   b) Define DNS. Explain about HTTP and MIME protocols.   7

2. a) Write a HTML code to generate following table with form elements.   10

   b) What is a Frame? List out the advantages and disadvantages of using a Frame.   5

3. a) Why CSS is used in Web designing? Explain different levels (types) of style sheets with example. Also write advantages and disadvantages of each.   8

	b)	Why JavaScript is called as Client Side Scripting Language? Explain the Popup Box in Javascript with syntax only.	7
4.	a)	Write a javascript program which validates the user data (name, email, contact no) and displays the success message if validated successfully. Also create the HTML form for entering the data.	8
	b)	Write a program to display a multiplication table of a given number using javaScript.	7
5.	a)	What are the main uses of PHP in web programming? Explain different Kinds of array in PHP.	8
	b)	How do you connect PHP with MySQL? Write a PHP code that retrieves the name & password from database.	7
6.	a)	Explain PHP Programming Language? How Object Oriented Programming can be achieved in PHP? Explain with example.	7
	b)	Describe CMS. What are the main purposes of Cryptography?	8
7.		Write short notes on **any two:**	2×5

a) SOAP

b) RSS feed

c) Cookies on PHP