

POKHARA UNIVERSITY

Level: Bachelor

Semester: Spring

Year : 2018

Full Marks: 100

Pass Marks: 45

Time : 3 hrs.

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.

- b) Explain the structure of XML. Write a basic program to demonstrate the basic XML schema. 7

5. a) Explain String and Window object in JavaScript. Write any four built-in methods of String object example. 8

- b) Write a JavaScript code to validate with following condition 7

- i. Name field should contain only alphabets. 7

- ii. Email field should contain @ and .(dot) 7

- iii. Password should be at least 8 character long 7

6. a) What do you mean by text formatting? Explain how text formatting and text controlling is done through CSS with appropriate example. 8

- b) Explain the Page Layout considerations for web pages. 7

7. Write short notes on any two: 2x5

- a) Query 8

- b) Scripting Language 8

- c) Client server architecture 7

- a) Differentiate between HTTP and HTTPS. What are the issues related to domain name registration? Explain. 8

- b) What is hyperlink? What are different types of links used in HTML? 7

- Explain all types of links with an example for each. 7

- a) Explain ordered list in HTML with an example. Write a HTML code to create the following table. 8

Airlines	Departure	Destination	Time		Fare
			Departure	Arrival	
Buddha Air	Kathmandu	Pokhara	7:55	8:20	3500
Yeti Airlines	Pokhara	Jonson	8:15	8:45	3900
Shree Airlines	Kathmandu	Dhangadhi	11:15	12:00	8000
Saurya Air	Biratnagar	Kathmandu	1:15	1:55	4200

- a) Explain XML DOM and SAX. 7

- b) Write a html code to create the following form. 7

Name:

Address:

Admission Year: //** A dropdown box with year from 2013 to 2018**//

Faculty:

Email Address:

- b) What is Form? What are the form elements used in HTML? Explain with a suitable Example. 8

- a) What is CSS? Write down the advantages of using CSS in web pages. 8

- Explain various types of CSS with an example of each. 8

POKHARA UNIVERSITY

Level: Bachelor

Semester: Fall

Programme: BCA

Course: Web Technology I

Year : 2018

Full Marks: 100

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 domain name and its hierarchy. Also explain why domain name need to be unique. 7
b) Which element is used for links and navigation in HTML? Explain absolute and relative linking with an example. 8
 2. a) Discuss the importance of client side and server side scripting language. Why Frames are important explain with an example of Frame. 8
b) What is a domain name? List out the domain name extensions. Also explain domain name hierarchy. 7
 3. a) Define function with its type in Java Script. Write down the Java Script code to validate email and mobile number from the user input form. 7
 - b) The following conditions are given for PU entrance Test: 8
- First Name
Last Name
Exam Roll no
- Gender Male Female
Faculty BE BBA BCA BBA-BI
- Submit** 

Design the above form using HTML and CSS and use java script to prevent from wrong entry by the user.

POKHARA UNIVERSITY

Level: Bachelor

Semester - Fall

Year : 2017

Programme: BCA

Full Marks: 100

Course: Web Technologies I

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.

- a) What do you mean by URL? Differentiate between URL and URI with example. 7
- b) What is HTML? Explain HTML document structure? Which element is used to for linking and navigation in HTML? 8
2. a) What are different types of list in HTML? Write HTML code to create following list. 7
- Orange
 - Mango
 - Apple
 - Red Apple
 - Green Apple
 - Banana
- b) What do you mean by forms? Mention different attribute of form. Write an html code to create following form. 8

Name:

Address:

Phone:

Add

3. a) What is Scripting Language? Differentiate between client side and server side scripting language.
- b) What do you mean by event in Java Script? Write a HTML code to create login form with two input field Name and Email and Java Script code that will prevent form submit and display suitable pop up message if either username or password field is empty.
4. a) Why style sheet is important in web page design? Explain different types of selector in style sheet.
- b) Explain with code for linking CSS by inline, internal, external and import methods.
5. a) What is XML schema? Write about XML SAX and XML document.
- b) Mention basic rules for creating XML document. Write about XSL.
6. a) Explain why jquery is essential for developing web page?
- b) Explain page layout issue in detail.
7. Write short notes on any two:
 - a) Cross Browser Communication
 - b) HTML Headers
 - c) DOM

POKHARA UNIVERSITY

Level: Bachelor
 Programme: BCA
 Course: Web Technology I

Semester: Spring

Year : 2017
 Full Marks: 100
 Pass Marks: 45
 Time: 3hrs.

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

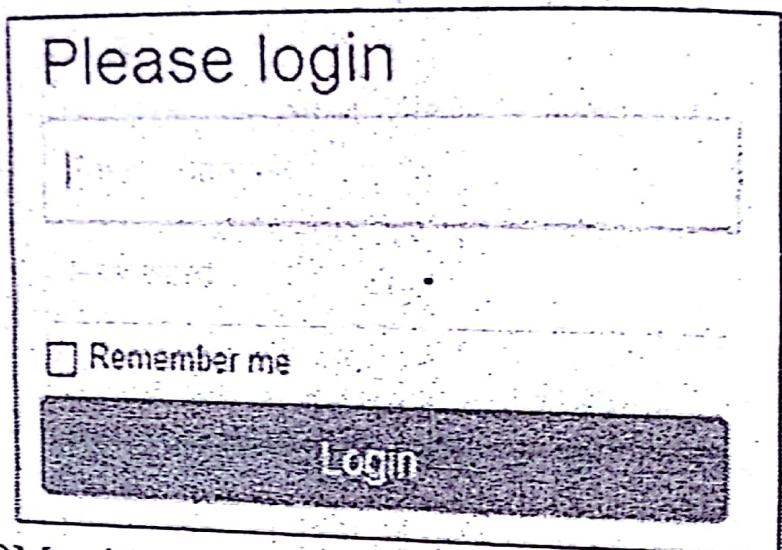
The figures in the margin indicate full marks.

Attempt all the questions.

- | | | |
|---|--|---|
| 1. | a) Define protocol. Differentiate between TCP and UDP with some example. | 7 |
| b) Define lists used in HTML5. Write down the three types of list with example. | | 8 |
| 2. | a) Define responsive design. What are the issues related to cross-browser compatibility explain. | 7 |
| | b) Define hyperlinking. How many ways we can link to document explain with example. | 8 |
| 3. | a) Define Style sheet. What is the importance role of using CSS in website? Explain the different types of CSS with example. | 7 |
| | b) Define table with its important tags. Write down the code to generate the following table: | 8 |

Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8:00 a.m.	5:00 p.m.	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8:00 a.m.	11:00 a.m.	XPath
	11:00 a.m.	2:00 p.m.	
	2:00 p.m.	5:00 p.m.	XSL Transformations
Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects

- | | | |
|----|--|---|
| 4. | a) Define form with GET and POST method. Write down the code to design the following login screen. | 8 |
|----|--|---|



- b) Define DOM with hierarchy. Difference with Client side and server side scripting with example.
5. a) Define Function with its type in JavaScript. Write down the JavaScript code to validate email and mobile number from the user input form.
b) Differentiate between Padding and Margin with example.
6. a) Define XML with Naming Rules: Explain DTD and Validation.
b) Define <div> and tag with attractive CSS. How do you create with popup box in JavaScript?
7. Write short notes on any two:
a) jQuery with its advantages
b) Web Server and Web Browser
c) JavaScript Objects

POKHARA UNIVERSITY

Level: Bachelor

Semester: Fall

Year : 2016

Programme: BCA

Full Marks: 100

Course: Web Technology-I

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.

- | S.N. | Description | Unit | Quantity | Ichhya Shakti Auto | |
|------|-------------|--------|----------|--------------------|------------|
| | | | | Unit Price | Total |
| 1 | Pulsar | Number | 1 | 2,22,000/- | 2,22,000/- |
1. a) Define protocol. Differentiate between TCP & UDP. 8
b) Write a HTML for creating the following table 7
2. a) Differentiate between client-side and server-side image maps. 8
Explain following tags:<embed>, <audio> and <video> with example.
- b) What is a list in HTML? Write HTML code to create following list. 7
3. a) What is Event Handler? Explain about onclick Event, onsubmit Event , onmouseover and onmouseout. 8
b) Explain JavaScript Window Objects. 7
4. a) Explain about different types of selectors in CSS 7
b) Explain with code for linking CSS by inline,internal, external , and import methods. 8
5. a) How <Div> tag is implement in CSS. Write about class and Id in CSS with suitable example. 7
b) What is XML? What is the difference between XML and HTML document? 8
- a) Discuss XML processors: DOM and SAX in detail. 7
b) Explain the Network related aspects of page design issues. 8
- Write short note on any two: 2×5
- a) Naigation
b) jQuery fundamentals
c) Absolute Vs Relative URLs

POKHARA UNIVERSITY

Level: Bachelor

Semester – Spring

Year : 2015

Programme: BCA

Full Marks : 100

Pass Mark : 45

Course: Web Technology I

Time : 3 Hrs

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 protocol? Explain different types of protocols used in internet in detail. 7
 - b) How do you add local and remote link in HTML document. Write HTML code to create following list. 8
 - 1) First item
 - 2) Second item
 - 3) Third list
 - a) Sub-list item 1
 - b) Sub-list item 2
 - c) Sub-list item 3
 2. a) Explain client side image map and server side image map with an example. 7
 - b) What is use of <noframe>tag? Write HTML code using from to display following output. 8
- This is header section
- | | | |
|--|--|--|
| | | |
|--|--|--|
3. a) What is Event Handler? Explain about on Load() and on click() events 8
 - b) What is form validation? What is the difference between server side and client side form validation? 7
 4. a) What is the purpose of using JavaScript in HTML document? 8
 - b) What do you mean by valid XML document? Explain. 7

5. a) Why style sheet is necessary web page design? Explain basic syntax and way to add comments in style sheets. 8
- b) Explain about different types of selectors in CSS. 8
6. a) Explain XML Dom and SAX. 8
- b) Explain page layout issue in detail. 8
7. Write short notes on any two:
 - a) Box model in CSS
 - b) Query
 - c) String and Window objects

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA

Semester – Fall
Course: Web Technologies I (New)

Year : 2015
Full Marks: 100
Pass Marks: 45

Time : 3 hrs.

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.

- a) Explain domain name and its hierarchy. 5
- b) Describe the communication mechanism in client server architecture. 5
- c) What is HTML? Explain HTML document structure. 5
- a) Why links are necessary in websites? Which element is used for linking and navigation in HTML? Explain the local and remote linking with an example. 8
- b) What are different types of lists in HTML? Explain each with example. 7
- c) Explain events and object of JavaScript with suitable example. 7
- d) Write a JavaScript code to validate a form. Name field cannot be empty, email filed should consist of valid email ID, telephone number field should consist only number and password should be at least 8 characters long. 8
- Why style sheet is necessary for web page design? Explain basic syntax and comment. Also explain different types of style sheet according to placement of code. 8
- What are different types of selector in CSS? Explain with example. 7
- What is XML Schema? Discuss Extensible Style Sheet language in detail. 8
- Explain XML DOM and SAX. 7
- Explain why Jquery is essential for developing web pages? Explain with suitable example. 7

7. b) Explain page layout issue in details.

7. a) Write short notes on any two:

a) Date and Math objects in JavaScript

b) <div> vs tags

c) <keygen>, <progress> and <command>

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA (New Course)
Course: Web Technology I

Semester - Fall

Year : 2014
Full Marks: 100
Pass Marks: 45
Time : 3 hrs.

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 different types of protocols used in Internet in detail. 7
b) Which element is used for links and navigation in HTML? 8
Explain named anchor with a suitable example.
2. a) Explain different ways to add style on HTML document. Write about classes and IDs on style sheet. 8
b) How many types of headings are there in HTML? Describe about HTML Header and Elements of HTML Headers. 7
3. a) Describe about XML DTD. And write about element occurrence indicators. 8
b) Write some basic rules for creating XML document. Write about XML processor. 7
4. a) What is Scripting Language? Why is JavaScript the only client side scripting language implemented in browsers? 7
b) What does DOM stand for? Why it's so important to use in JavaScript. 8
5. a) Write a JavaScript code to calculate factorial of a value entered in a textbox using for loop as well as recursive function when button is clicked. 8
b) Why style sheet is necessary for web page design? Explain basic syntax and comment. Also explain different types of style sheet according to placement of code. 7
6. a) Explain why jquery is essential for developing web pages? Explain with suitable example. 7
b) Explain page layout issues in details. 8
7. Write short notes on *any two:* 2x5
 - a) Frame and Frameset
 - b) Search Engine
 - c) String and Window objects

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

The figures in the margin indicate full marks.

middle nine hours.

Explain domain name and its hierarchy. Also explain why domain

Q) What are different types of selector in CSS? Explain with example.

display following output.

THIS IS HEADER SECTION

b) What is jQuery? Describe about advantages of jQuery over Web 7.8

7. Write short notes on the following: Development.

a) String and Window objects

c) Extensible Style Sheet Language (XSL)

... types of tools are available at [HTML5 White Suitcase](#).

Absolute & Relative URI's

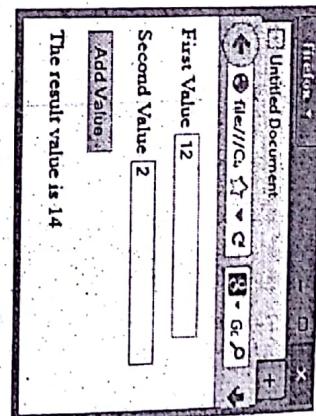
Describe about Anchor tag and its attributes. Write about

Explain events and objects of JavaScript

Write JavaScript & HTML code to add numbers taken from two INPUT box of type integer.

existing Paragraph of same web document when user click on

Button(See the reference picture below)



POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA/BCIS

Semester – Fall
Course: Web Technology I

Year : 2013
Full Marks: 100
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.*
- What are the different protocols used in Internet? Explain domain name and its hierarchy. 7
 - How do you add local link and remote link in HTML document? 8
 - Write HTML code to create following list. 8
 - Hello this is list!
 - Nice list!
 - Another item!
 - Sub list item
 - Sub list item
 - Sub list item - Last list item! 7
- How do you add link and embed graphic in HTML Table? Write 8
 - HTML code create following table. 8

Time Table

	Mon	Tue	Wed	Thu	Fri
Science	Maths	Science	Maths	Arts	
Social	History	English	Social	Sports	
Hours	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

alternative text to an image?

- Distinguish between client side and server side image maps. Explain nested framesets with suitable example. 7
- What is a form? What are the various input types that can be created in a form? Illustrate with a suitable example. 7

- Explain about different types of Selectors in Cascading style sheet(CSS). 7
- What is Well formed XML document? Describe the way of Entity Declaration and Element Declaration on XML. 7
- What is the purpose of Scripting language in HTML document? Explain JavaScript events. 7
- Write a JavaScript program to add numbers of two different input box and display the result into third input box of the same web document. 7

- What is Environment variable? Explain about any three Environment Variables. 7
- Explain the various ways to transfer the HTML Forms data to the Server. 7
- Explain about various ways of data validation in processing of Data in Web Development. 7

- Write short notes on any two:
 - HTML Headers
 - Navigation object in JavaScript
 - JavaScript Cookies

Level: Bachelor
Programme: BCA
Course: Web Technology I

Semester - Spring

Year : 2013
Full Marks: 100
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 protocol. What are the different protocols used in Internet? Explain any 4 of them in detail. 8
- b) What are different types of lists in HTML? Explain nesting of list with an example. 7
2. a) Explain nested table with suitable example. What is cell spacing and cell padding? 7
- b) What are different web page style considerations and graphical aspects of page design? Explain 8
3. a) Explain about <FRAMESET> and <FRAME> tags. 8
- b) Write a HTML code to create an HTML Form page for the student admission page with at least following fields:
[First Name, Last Name, Address, Phone, Parents Name, Email] 7
4. a) How do you apply DIV tag style sheet? Explain contextual selectors and Selector classes with suitable example. 8
- b) What is CGI? How information is transferred from the Web Browser to a CGI Program? 7
5. a) Describe the way of Entity Declaration and Element Declaration on XML. 8
- b) What is event Handler? Explain about `onLoad()` and `onResize()` events. 7
6. a) Explain arrays and String object in Javascript. Write any four builtin methods of String object example. 7
- b) What do you mean by form validation? What is difference between clientside and serverside form validation. 4+4
7. Write short notes on any two: 2×5
 - a) Client pull and server push
 - b) Embedding Java Applets
 - c) Cookies Management