

Assignment 2(HTML)

1. Why HTML is called Markup language, not a programming language?
Explain and explains with examples.
2. Explain the pros and cons of HTML with their application.
3. What is a tag in HTML? Explain Structure tags, Formatting tags, List tags, Hyperlink tags, and Executable content tags.
4. Explain Text level formatting and block-level formatting tags also include differences between them. What will happen if you overlap sets of tags?
5. Do older HTML files work on newer browsers? Can a single text link point to two different web pages?
6. Differences between inline and block level elements with an example (any 5)
7. What are physical and logical tags? Explain with an example
8. How do you create links to sections within the same page?
9. How do you create multicolored text on a webpage?
10. How do attributes and tags differ? How do you insert a comment in HTML?
11. Create an HTML page with, tags header, article, and footer. Insert a link containing mail to sim.kasaju@acme.edu.np in the footer tag. Set the keywords “bca”, “csit” using the Meta tag on the page.
12. How does a web server link physically on the internet? How do we navigate from one URL to another from a page displayed at a browser? Explain.
13. How can you map images in HTML? Does a hyperlink apply to text only? Explain the logic behind it and it types in detail.
14. Explain the Meta tag in detail. Also mention its advantage
15. Difference between Server-side and client-side image maps?
16. What is a marquee? Explain the marquee tag with an example.
17. Differences between physical and logical tags with an example.
18. HTML vs XHTML (any 5)
19. How grouping of elements is possible in HTML? Explain different types of grouping tags.
20. Advantages and disadvantages of Frames.
21. Explain the frameset tag with an example.
22. How we can introduce multimedia in HTML explain with an example.

23. A company asked you to develop a website for them. Which language and tools will you use for the development and why? Also, how can you put the website online?

24. Do que no (from IT/SW model que) (Questions images are listed below)

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|--------------------------|------------------------|
| a) 2a) 2b) 3a) 2021 fall | b) 2a 2020 fall |
| c) 2a 2019 spring | d) 2b 2018 spring |
| e) 2a 2018 fall | f) 2a) 3a) 2017 spring |
| g) 2a 2022 fall | h) 2a) 3a) 2017 fall |

POKHARA UNIVERSITY

Level: Bachelor
Programme: BE
Course: Web Technology

Semester: Fall

Year : 2022
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) Let us assume a scenario, where person 'A' send an email to person 'B' and person 'B' response to person 'A'. Now, explain the sending and receiving process of email. 8
b) What happens if you enter <https://pu.edu.np> into your browser? Describe the procedures behind the screens. Describe along with its block diagram. 7
2. a) Write HTML tags to generate the following design: 8

Labels	Input Fields
Full Name	<input type="text"/>
Gender	* Male Female Others
Email	<input type="text"/>
Address	<input type="text"/>
Choose Color	<input type="color"/>
Upload Profile Picture	Choose file No file chosen
<input type="button" value="Register"/>	

- b) Explain Standard HTML document Structure. Why table-less design is preferred more than table-based design? How grouping of elements is possible in HTML? 7
3. a) What are overriding rules in css? List out different types of css selectors. Explain box model in css with suitable figure. 7
b) Write any 2 syntactic characteristics of JavaScript. Explain about different element access methods in JavaScript. 8
4. a) Why JavaScript is called dynamically typed Language? Explain with example how variables are declared in JavaScript. 5

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Attempt all the questions.

1. a) Discuss the need of web browser and web server in accessing the Internet. Also List the different MIME headers and explain them. 7
- b) Explain the essential difference between: 8
 - i) URL and URI
 - ii) HTTP and FTP
2. a) Why table-less design is preferred more than table-based design? Write HTML code for following : 8

Roll no:	Name	Subjects			
		C	Web	Math	C++
1	Abhisek	50	45	60	70
2	Suresh	50	45	45	NQ
3	Yodhin	80	85	90	75
Contact to department if Not Qualified(NQ)					

- b) Explain Standard HTML document Structure. How would you map image in HTML? 7
3. a) Create a HTML page with a div with some content and two paragraph tags with some content having ID P1 and P2. Write external css for the div tag having fixed position with border style solid and width 2px. The P1 should have relative position. The font type of P1 should be Arial and color should be green. The P2 have absolute position with top 0px and left 200px. 8

POKHARA UNIVERSITY

Level: Bachelor
Programme: B E
Course: Web Technology

Semester: Fall

Year : 2020
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

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Attempt all the questions.

- a) What is web standard? Explain different types of web standards available in web technology with example. 8
- b) Define DNS? Explain the uses of following protocols in web technology: 7
- i) HTTP
 - ii) POP
 - iii) FTP
- c) Write HTML tags to generate the following forms: 8

Students Data Entry Form

Student Name:

Address:

College:

Email:

Gender: ☐ Boy ☐ Girl ☐ Other

Subjects: ☐ PQT ☐ WT ☐ DSA ☐ LC ☐ EMTH-III ☐ EC&I

City / Town:

Nuwakot
Kathmandu
Nuwakot
Pokhara
Biratnagar

Comments:

POKHARA UNIVERSITY

Level: Bachelor
Programme: BE
Course: Web Technology

Semester: Spring

Year : 2019
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

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

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Attempt all the questions.

- a) Define Internet. Explain two-tiered and three-tiered web architectures. 7
- b) Define URL and domain name. Explain about HTTP, FTP and WAP protocols. 8
- a) Create an HTML form with one textbox for getting name, one text box for getting password, two radio buttons for getting gender (male and female), dropdown for getting subjects (WT, Math, C, C++), text area for getting feedback and one submit button. 8
- b) Define Empty HTML Elements with examples. Explain the uses of <frame>, <iframe> and <table> tags in HTML with examples of each. 7
- a) Define CSS. Why it is important? Explain and <div> tags with examples. 8
- b) Write a program to explain e-mail validation. Your program must contain email, password and submit button. On clicking, validate whether the fields are blank and the format for the email is right. 7
- a) Define event. Explain about event handling mechanism in Javascript with example. 7
- b) Is there any possibility of dynamic stacking of images in JavaScript? Explain your answer with an example. 8
- a) What type of programming is PHP programming? Explain about its general syntactic characteristics. 7
- b) Write a PHP and MySQL code for the following: 8
 - i. Create a database 'institute' with a table 'tbl_users' and fields on table as 'id', 'name', 'roll', 'mobile_number', 'email', 'status' with 'id' as primary key.
 - ii. Create HTML form for getting data on (i). Write PHP code to read data submitted from the form and insert it on 'tbl_users'. Also apply the server side validation mechanism for empty

POKHARA UNIVERSITY

Level: Bachelor

Semester: Fall

Year : 2018

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.

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

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

Fill the form below	
Name:	<input type="text"/>
Password:	<input type="password"/>
Feedback:	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Gender:	<input type="radio"/> Male <input type="radio"/> Female
Subject:	<input type="checkbox"/> Web <input type="checkbox"/> Math <input type="checkbox"/> Graphics <input type="checkbox"/> English
<div><input type="button" value="Reset All"/> <input type="button" value="Submit Above Details"/></div>	

- b) Discuss how events are handled in JavaScript. 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. 10
- b) Explain the DOM model used in JavaScript. 5
4. a) Write JavaScript code to illustrate element positioning, stacking elements and mouse cursor. 8

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Year : 2018
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Attempt all the questions.

- a) What is image map in HTML? Write a HTML code to show the mapping of image. 7
- b) What is the function of Domain Name System? Write about the differences between LAN, WAN, MAN, PAN and Web. 8
- a) Explain the following: 8
 - i. URL vs URI
 - ii. MIME Headers
 - iii. HTTP vs HTTPs
 - iv. SMTP vs POP3
- b) Create an HTML form with one textbox for getting name, one textbox for getting password, two radio buttons for getting gender (male and female), dropdown for getting subjects (Web, Math) and textarea for getting feedback. 7
- a) What are the main purposes of id and class selectors? Explain with respective examples. 7
- b) Define DOM. Write JavaScript function to validate a form input field for **onblur** event whether it is blank or not and contains number or not. 8
- a) Is JavaScript Object Oriented Programming Language? Illustrate your answer with suitable reasons and examples. 5
- b) Write JavaScript code to find the factorial of a number requesting a number from user using prompt. 5
- c) How dragging and dropping of XHTML elements is possible in JavaScript? 5
- a) Explain the use of PHP `$_GET` and `$_POST` variables. 5
- b) Explain the CRUD operation in MySQL along with example. 5

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Semester: Fall

Year : 2017
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Attempt all the questions.

1. a) What protocol is used by all computer connections to the Internet? 7
Describe a fully qualified domain name with example
- b) What is the purpose of a MIME type specification in a request/response transaction between a browser and a server? 8
2. a) Write an HTML to create the following table: 8

Life Expectancy By Current Age					
65		40		20	
Men	Women	Men	Women	Men	Women
82	85	78	82	77	81
Click here for more details.					

- b) Create an HTML document that contains five different headlines from a newspaper headline. Each headline should use a different heading tag and a different color. Make all the text use the Helvetica font. Every verb in the text must have a line through it. 7
3. a) What is the difference in behavior between a group of checkbox buttons and a group of radio buttons? Under what circumstances is a select menu used instead of a radio button-group? 8
- b) What do you mean by CSS? What is the advantage of external style sheets over inline and document-level style sheets? 7
4. a) Explain DOM? Explain Handling event from page load and button elements with an example. 7
- b) Create an HTML form that takes user's email address and password. Validate the form using JavaScript when the submit button is clicked. 8

POKHARA UNIVERSITY

Level: Bachelor
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Semester: Spring

Year : 2017
Full Marks: 100
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Attempt all the questions.

- a) Explain in brief about the domain name registration and hosting process. 5
- b) How does HTTP works? Describe. 5
- c) Describe the structure of standard HTML document. 5
- a) Write HTML tags to generate the following form: 7

Student Directory

Name	<input type="text"/>
Class	<input type="text"/>
Roll No.	<input type="text"/>
E-mail	<input type="text"/>
<input type="button" value="Reset"/> <input type="button" value="Save"/>	

- b) What are the different levels of style sheets? Mention different style specification formats with appropriate examples. 8
- a) Describe different properties and property values associated with fonts, lists, colors and images. 7
- b) What do you mean by DOM in Java Script? Why is Java Script called client side scripting language? 8
- a) How do you move elements, change font styles of the texts and drag 8