

Program: Diploma in Computer Engineering/
Information Technology

Full Marks: 80

Year/Part: II/I (2022) © Arjun

Pass Marks: 32

Subject: 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.



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Attempt any **EIGHT** questions.

1. a. What is internet and web? Write the different services of internet. [2+3]
b. Explain internet protocols. [5]
2. a. Define HTML. Explain the basic structure of HTML. [1+4]
b. Define singular and pair tag. Explain any five tags with syntax and example. [1+4]
3. a. Define ordered and unordered list with example. [5]
b. Differentiate between client side scripting and server side scripting language with example. [5]
4. Describe HTML5. Discuss new features introduced in HTML5 with its new element. [2+8]
5. WAP to design following table: [10]

Class Routine

Day	Class	Time
Sunday	Web	2 hrs.
Monday	Digital Logic	1 hr.
Tuesday	Distributed	2 hrs.
Wednesday	Math	3 hrs.
Thursday	Science	1 hr.
Friday	Nepali	2 hr.
Saturday	Holiday	

6. Explain CSS (cascading style sheet). Describe different types of CSS with appropriate example. [4+6]
7. a. WAP to create a form with following fields: [5]
i. Name ii. Password iii. Email
iv. Gender (Male, Female) v. Submit button
b. Explain event handling in JavaScript. [5]
8. a. List some HTML editors along with their advantages. [5]
b. Explain form validation using JavaScript [5]
9. Write short notes on: (any FOUR) [4×2.5]
a. DIV tag
b. Frame tag
c. WWW
d. Dream weaver
e. Dynamic web page

Good Luck !



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Council for Technical Education and Vocational Training

Office of the Controller of Examinations

Sanothimi, Bhaktapur

Regular/Back/Scholarship Exam-2080/2081, Chaitra/Baishakh

Program: Diploma in Computer Engineering/
Diploma in Information Technology **Full Marks: 80**

Year/Part: II/I (2022) **© Arjun** **Pass Marks: 32**

Subject: 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 any EIGHT questions.  www.arjun00.com.np

1. a. Define internet. Write some use of internet. [2+3]
b. What is internet protocols? Write the different internet protocols. Explain about the TCP/IP and SMTP. [1+1+3]
2. a. Define HTML. Explain the body structure of HTML. [2+3]
b. Explain the purpose of , <Strike>, <Small>, <BIG>, <Center> and
 tags. [5]
3. a. What are the attributes of ordered and unordered list with examples. [5]
b. Define CSS. How many ways CSS is implemented in HTMS? Explain with examples. [2+3]
4. a. Discuss new features introduced in HTML 5. [5]
b. Differentiate between server-side and client-side scripting. [5]
5. WAP to split the browser screen into two parts horizontally. The first section should cover the 20% and must contain the page links home, contact and YouTube. Second section should be used to view the web pages from the links selected in the first section. [10]
6. a. Write a HTML to define the FRAME and FRAMESET tags with attributes. [5]
b. Why JavaScript is used in HTML? Write a JavaScript program to calculate sum of two inputs. [2+3]
7. a. Define DOM, BOM. What are event handling function in JavaScript? [2+3]

b. What are the purpose of DIV tag and how can you make responsive web design? www.arjun00.com.np

[5]

8. a. Write a HTML to design following registration form:

[5]

Student Form

Name:

Roll No.:

Year:

Faculty:

Email:

Submit

Exit

b. Write a HTML to design the table in the given structure.

[5]

S.N.	Subject Name	Marks	
		FM	PM
1.	DBMS	80	32
2.	OS	80	32
3.	SE	80	32
4.	DL	80	32

9. Write short notes on: (any **TWO**)

[2×5]

a. HTML editors and tools

b. Form validation

c. CSS

Good Luck !



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Back Exam-2080 Mangsir/Poush (Scholarship)

Program: Diploma in Information Technology

Full Marks: 80

Year/Part: I/II (2016) © Arjun

Pass Marks: 32

Subject: 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 any TEN questions.



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1. What is webpage? Write the uses of internet and growth of internet in modern days. [2+6]
2. Define HTML. Write down the basic structure of HTML. Explain HTML tags. [2+3+3]
3. What is unordered list? Write an HTML code to generate the following list: [8]

1. Linux
 - a. Ubuntu
 - b. Kali Linux
 - c. Red Hat
2. Windows
 - a. Windows 7
 - b. Windows 10
3. Mac
4. Android

4. Define table. List the attributes of <Table> tag. Write an HTML code for making following table: [8]

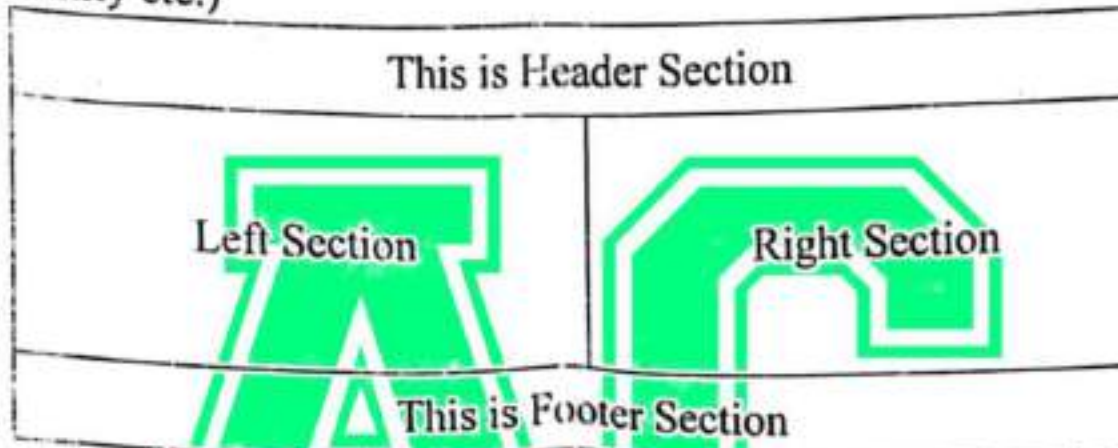
Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

5. Explain tag, <HR> tag, <Marquee> tag and tag with its attributes. [8]
6. Define form. Design a form containing username, password, radio button, drop-down menu, check box, reset button and submit button. [2+6]

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Cont.

7. What is cascading style sheet (CSS)? Explain internal style sheet and external style sheet. [2+6]
8. What is the purpose of <div> tag? Using <div> tag divide a page into following section: (Assume appropriate background color, height, width, margin, font size, font family etc.) [4+4]



9. Explain server side and client side scripting language with its advantages and disadvantages. [8]
10. What is JavaScript? Explain with an example that how JavaScript can change HTML content. [8]

OR

Explain different types of dialog boxes used in JavaScript.

11. Write short notes on: (Any **TWO**) [2×4]
- Internal Hyperlink
 - <audio> and <video> Tag
 - Protocols
 - HTML Editors

Good Luck !



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Program: Diploma in IT / Computer Engg.

Full Marks: 80

Year/Part: II/I (2022) © Arjun

Pass Marks: 32

Subject: 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.



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Attempt Any Eight questions

1. a) Define www. Explain the concept of www. [2+3]
b) What do you mean by TCP/IP reference model? Explain with suitable diagram. [5]
2. a) Define HTML tag. Explain the tag and tag with its attribute and example. [2+4]
b) What is heading tag? Explain with an example. [4]
3. a) What do you mean by list? Explain the different types of list with examples. [5]
b) Explain the internal and external hyper link with a suitable example. Explain the anchor tag. [4+1]
4. a) Explain the table tag with an example. [6]
b) List some HTML editors and tools. [4]
5. a) Define HTML. Explain about HTML <Div> tag with suitable example. [2+4]
b) Discuss the new features introduced in HTML. [4]
6. a) Define cascading style sheet. Explain all three ways of using style sheet in HTML page. [5]
b) Difference between client-side scripting and server-side scripting language. [5]
7. Write the HTML code to build Travel reservation form. (The form should include: Full name, Email address, Select tour package, Arrival time, Number of persons, discount Coupon code, Term and Condition). [10]
8. What is java Script. How to add javascript code to HTML? Explain it. [4+6]
9. Write short notes on : (Any Two)
a) Canvas and SVG
b) <frameset rows> and frameset cols>
c) JQuery [4x4=16]

Good Luck !



Candidates are required to give their answers
in the margin indicate full marks.



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Attempt Any Five questions.

1. a) Define internet. Explain its uses and services. [2+6]
b) Define HTML. Write the structure of HTML and describe different parts. [2+6]

2. a) Explain marquee, heading, paragraph, underline tag with syntax and attribute? [8]
b) Write an html code for the following form given below: [8]

Username:
Password:
Gender:
☐ Male
☐ Female
☐ Other
Select a District:
Email Address:

3. a) Define HTML editors. Explain the use of graphical and animation tools in HTML. [2+6]
b) Explain hyperlink tag with suitable HTML code. How frame tag is used? Explain with example. [4+4]
4. a) Explain different methods of including CSS in HTML. [8]
b) Explain Table tag with an example. [8]
5. a) What do you mean by Javascript? How to insert Javascript code in HTML? [2+6]
b) How to perform form validation for a required field in HTML? [8]
6. a) What are the advantage of CSS? Differentiate between server side and client side scripting? [4+4]
b) Write short notes on: www.arjun00.com.np [2×4=8]
 - i) List tag
 - ii) Responsive web design

Good Luck!



Council for Technical Education and Vocational Training

Office of the Controller of Examinations

Sanothimi, Bhaktapur

Regular/Back Exam-2078, Magh/Falgun

Program: Diploma in Computer Engineering

Full Marks:80

Year/ Part: I/II (2018 New) © Arjun

Pass Marks: 32

Subject: Web Technology & Programming 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.



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Attempt Any Five Questions.

1. a) Define HTML. Explain the type of tags in HTML. [2+4]
 b) Explain about internet protocols and its application. [3+3]
 c) What are the purpose of <sub>, <sup>, <strike> and
 tags. Explain and <body> tag with its attributes. [4]
2. a) Define list. Explain ordered and unordered list with an example. [2+6]
 b) List out the attributes and its functions that are included in and <marquee> tag. [8]
3. a) Write a HTML code to design a table which must look similar to the one provided: (included in draft). [8]

Seminar			
Day/Time	Schedule		Topic
	Begin	End	
Sunday	8:00 am	2:00 pm	Introduction to HML
Monday	8:00 am	11:00 am	Validity : DTD
Tuesday	10:00 am	2:00 pm	X path
Wednesday	2:00 pm	5:00 pm	CSS
Thursday	12:00 pm	5:00 pm	XML
Friday	10:00 pm	3:00 pm	presentation

- b) Explain about internal and external links with example. [8]
4. a) Discuss the new features introduced in HTML5. [4]
 b) List some HTML editors and tools. Write their advantages. [4]
 c) Define cascading style sheet. Explain linking external style sheet files to a HTML document with an example. [2+6]

Count.....

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5. a) Write HTML code for the following form:

USER REGISTRATION

Field marked * are required.

Email *	<input type="text"/>
Password *	<input type="password"/>
Retype Password *	<input type="password"/>
First Name *	<input type="text"/>
Last Name *	<input type="text"/>
Phone Number *	<input type="text"/>
Address *	<input type="text"/>
Town	<input type="text"/>
Region *	<input type="text"/>
Postcode/zip *	<input type="text"/>
Country *	<input type="text" value="Nepal"/>
<input type="button" value="Register"/>	

- b) Differentiate between :

[3+3]

-
 tag and <p> tag
- <BIG> tag and <small> tag

6. Write short notes on : (Any Four)

[4x4=16]

- Heading tag
- <FRAMESET ROWS> and <FRAMESET COLS>
- Java Script
- Web Browser and search engine
- JQuery
- DOM

Good Luck !



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Council for Technical Education and Vocational Training

Office of the Controller of Examinations

Sanothimi, Bhaktapur

Regular/Back Exam-2077, Chaitra

Program: Diploma in Computer Engineering

Full Marks: 80

Year/Part: I/II (2018 New Course) © Arjun

Pass Marks: 32

Subject: Web Technology & Programming I

Time: 3 hrs

Candidates are required to give
The figures in the margin indicate



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Attempt Any Eight questions.

1. What is HTML? Write the basic structure of a web page with brief explanation of each section. [2+8]
2. a) What is Heading tag? Explain with an example. [4]
b) Explain the <marquee> tag and tag with its attributes. [6]
3. a) What is an HTML tag? Differentiate between empty and container tags. [5]
b) Explain the types of list in HTML with example code. [5]
4. a) How to insert image in an web page? Explain various attributes of tag. [5]
b) Explain Internal and External hyperlink with an example. [5]
5. Write HTML code to create a web page with registration form. The form must include the following fields: [10]
i) Name ii) Email iii) Password
iv) Gender (male/female) v) Submit button
6. a) Why are comments important? How do you write comments in HTML? [4]
b) Explain <div> tag and padding with an example. [6]
7. a) What is CSS? How do you include CSS in a web page? [5]
b) Explain Document Object Model. [5]
8. a) Write short note on : [5]
i) Java Script ii) J query

b) Write a java script function to calculate the product of two numbers and return the result.

[5]

9. Write short notes on : (Any Two)

[5x2=10]

a) Web browser and search Engine

b) HTML Editors and Tools

c) <Table> Tag

d) CSS selectors

Good Luck !



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Candidates are required to give the practicable. The figures in the margin



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Attempt **Any Eight** questions.

- 1.a) Explain in brief about Internet. What do you mean by TCP/IP and SMTP? [3+2]
- b) Explain Heading Tag. Also, describe <MARQUEE> tag with its attributes. [2+3]
- 2.a) Write an HTML code for the following: [5+5]
 - (i) Implement all types of lists (ordered, Unordered and Definition)
 - (ii) Implement internal hyperlink (jump from bottom to top of a page)
- 3.a) Write HTML code to design a table which must look similar to the one provided: (included in draft). [6]

S.N	Name	Subject				Remarks
		WPT		C++		
1	Samikshya	65	25	68	24	Pass
2	Manisha	73	20	71	18	Pass

Mark Sheet

- b) Differentiate between: [2+2]
 - (i)
 tag and <P> tag
 - (ii) <BIG> Tag and <SMALL> tag
- 4.a) Split the browser screen into three parts horizontally. The first section (20% coverage) should contain the links of the pages like home, gallery, contact us along with the heading. The second section should contain main content and all the links should be loaded in this section. The last section should cover 10% height of the browser window and should contain copyright information. [10]
- 5.a) Discuss the new features introduced in HTML 5. [5]
- b) List some HTML editors & tools. Write their advantages. [5]
- 6 Write HTML code to design the provided form. (included in the draft)

Individual -Login

First Name: Last Name:

Gender: ☐ Male ☐ Female ☐ Other

Address:

State: District:

Street Name:

Interested Subject: ☒ C ☐ C++ ☐ WPT ☐ VP

Favourite Sports:

Email ID:

Password:

Comment:

7. Explain all three ways of using style sheets in HTML page with examples. [10]
8. a) Explain the concept of DOM. [5]
b) Explain how you can add video and audio in HTML [5]
- 9) Write Short Notes on. (Any Two) [2x5= 10]
a) Canvas and SVG
b) Components of www
c) J Query
d) CSS Margin and Padding properties

Good Luck!



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Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/ Back 2076 Shrawan / Bhadra

Program: Diploma in Computer Engineering

Full Marks: 80

Year/ Part: I/II

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Pass Marks: 32

Subject: Web Technology & Programming I

Time: 3 hrs.

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far as practicable. The fig*



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Attempt Any Eight Questions.

1. a) What is web browser, Webpage and websites? [3]
b) Define HTML. Explain the types of tags with an example. [2+5]
2. a) Explain tag and <body> tag with its attributes. [5]
b) Write purpose of , , <U>, <SUB> and <SUP> tags with example [5]
3. a) Explain ordered list with example [3]
b) Write a HTML source to create the following table. [7]

Particular	2017		2018	
	Cost price	Selling price	Cost price	Selling price
Television	30,000	32,000	25,000	26,000
Microwave oven	20,000	22,000	10,000	11,000
Mobile	20,000	23,000	30,000	33,000
4. a) What is hyperlink? Explain the types of hyperlink with example. [1+6]
b) Define CSS with its syntax. [3]
5. a) Define form in HTML. Create form which contains name, address, gender, date of birth, e-mail, submit button and reset button using HTML form. [7]
b) Explain tag with example. [3]

Contd.....

6. a) Define frame. Create a simple web page implementing three row frames. [1+3]
b) Define Class and ID with examples. [3+3]
7. a) Explain <PRE> tag with examples. [5]
b) Explain Document Object Model and its importance. [5]
8. a) Differentiate
 and <HR> tags with examples. [4]
b) What are HTML Editors and Tools? How can you add sound and animation to a webpage? [6]
9. Write short notes on (Any Four):[2.5x4]
- a) Search Engine.
 - b) <DIV> tag
 - c) Heading tag
 - d) Unordered list.
 - e) Caption in table

Good Luck !



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Candidates are required to
practicable. The figures in t



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Attempt Any Eight Questions.

1. Define web browser and search engine. Explain internet protocols and its applications. [2+8]
2. Write down basic document structure of HTML. Explain ,
, , <i>, <u> and <hr> with suitable example. [4+6]
3. Explain ordered list and unordered list with example. Explain inserting image in HTML document with its attributes. [5+5]
4. Explain the HTML links. How can you create links to other HTML document and links to the different parts in same HTML document? [2+8]
5. Write down HTML code to create table using <table> tag. What is difference between percentage dimension and relative dimension in frames? [5+5]
6. Define form in HTML document. Create a form which contains name, address, gender, date of birth, description of the person, submit button and reset button using HTML form. [2+8]
7. What are HTML Editors and Tools? How can you add sounds and animation to a webpage? [4+6]
8. Explain Document Object Model and its importance. [10]
9. Define CSS. Explain three ways of including CSS in the HTML document. [2+8]
10. Write short notes on: (Any two) [5*2=10]
 - a. Internet and web technologies
 - b. Formatting text tags
 - c. Comment in HTML

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Good Luck!

Candidates are required to give as practicable. The figures in the



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Attempt Any five Questions.

1. a) Define HTML. Explain the types of tags in HTML. [2+4=6]
 b) Write down the basic structure of HTML. [2]
 c) . What are the purpose of <sub>, <sup>, <strike> and
 tags. Explain and <body> tag with its attributes. [8]
2. a) Define list. Explain ordered list with any example. [1+4=5]
 b) List the attributes that are included in the <table> and <marquee> tag. [3]
 c) Write the HTML code for making following table. [8]

Name of plain	Place	Destination	Time		Fare
			Arrival	Department	
Buddha Air	Kathmandu	Pokhara	7:45	8:45	3500
Sita Air	Kathmandu	Nepaljung	7:45	8:45	5000
Agni Air	Kathmandu	Jomson	7:45	8:45	6000
Tara Air	Kathmandu	Jhapa	7:45	8:45	5500

3. a) . Explain about internal and external link with example. [8]
 b) What is CSS? List the various attributes that can be specified to the <STYLE> tag. [4+4=8]
4. a) . Explain tag with its attributes. [4]
 b) Create a page containing 3 frames with 1st frame covering 50% of the screen (vertical coverage) and remaining screen should be horizontally divided into 2 frames. The 1st frame should contain a bio-data and 2nd frame should contain the hyperlinks (i.e. link1 and link2) and the links of these items must be opened in the 3rd frame. [12]

5. a) write HTML code for the following form:

[10]

Please fillup the form carefully:

First Name:

Last Name:

Address:

Date of Birth:

E-mail:

Password:

Gender: ☐ Male ☐ Female

Faculty: ☐ IT ☐ HM ☐ Civil ☐ Electrical

Choose your favourite car:

Comment:

b) Define class in CSS with a suitable example.

[2+4=6]

6. Write short notes on (Any Four):

[4x4=16]

- HTML editor and tools
- <Marquee> tag
- <div> tag
- Web browser and search engine
- Heading tags
- Internet protocols

Good Luck!



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Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/ Back Exam- 2072, Bhadra/Ashwin

Program : Diploma in Information Technology **Full Marks: 80**
(IT)/ Computer Engineering
(New Course)

Year/ Part : I/II **© Arjun** **Pass Marks: 32**

Subject : Web Technology & Programming -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 Questions.

1. (a) Define web browser. List any three web browser. [2+3=5]
(b) Explain the types of tags in HTML. [6]
(c) Explain the attributes of tag. [5]
2. (a) Define list with its types. [6]
(b) Explain the heading styles used in HTML with output. [4]
(c) Write an HTML code for the table shown below. [6]

S.N	Name	Grade		Remarks
		English	Math	
1.	Shiva Yadav	B	A	Pass
2.	Ganesh Sah	A	A	Pass
3.	Surya Rai	A	F	Fail

Mark sheet

3. (a) What is the tag which is used to put hyperlink. Explain the internal and external hyper link with examples. [8]
(b) Create a page containing 3 frames with 1st frame covering 30% of the screen (vertical coverage) and remaining screen should be horizontally divided into 2 frames. The 1st frame should contain bio-data and 2nd and 3rd frame should contain any image. [8]

4. (a) What is the importance of document object model? [6]

(b) Write an html code to create and form: [10]

Name:

Password:

Gender: ☐ male ☐ Female

Faculty:

☐ Information Technology

☐ Computer Engineering

☐ Civil Engineering

☐ Electrical Engineering

Choose your favorite car

Ferrari (car of the year)

Comment:

Your comment

Send

Reset

5. (a) Define class with suitable example. [7]

(b) Write short notes on (Any Three) [3x3=9]

i) CSS

ii) Service provided by the internet

iii) HTML editors and tools

iv) Importance of comments.

The End



Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/ Back Exam 2071, Bhadra/Ashwin

Program : Diploma in Information Technology Full Marks: 80
(IT)/ Computer Engineering

Year/ Part : I/II © Arjun Pass Marks: 32

Subject : Web Technology & Programming -I Time: 3 hrs.

Candidates are required to give their answers in their own words
as far as practicable. The figure in the margin indicates full marks.



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Attempt (Any Five) Questions.

1. (a) Define web page and web server. [4]
(b) Write brief history in internet. [4]
(c) What is DHTML? Write short notes on container tag and empty tag. [2+3+3=8]
2. (a) Write down the basic structure of an HTML program. [4]
(b) Explain < body > tag with its attributes. [4]
(c) What are the purpose of < SUB >, < SUP >, < STRIKE >, < CENTER >. [8]
3. (a) Draw a table using row span and col span attributes. [8]
(b) Describe the ordered and unordered list with suitable example. [8]
4. Create a range containing 3 frames with 1st frame conversing 30% of the screen (Vertical coverage) and remaining screen should be horizontally divided into 2 frames. The 1st frame should contain a bio-data and 2nd frame contains the links of these items must be opened in the 3rd frame. [16]

5. (a) What is CSS? List out the attributes that can be used in < STYLE > tag. [5+3=8]
- (b) Define class with suitable example. [8]
6. (a) What are the types of link in HTML. Explain in brief. [6]
- (b) Write down the HTML code to create the following form. [10]

Form

Name:

Email:

Password:

Gender: ☐ male
☐ Female

Faculty:

- ☐ Information Technology
- ☐ Computer Engineering
- ☐ Civil Engineering
- ☐ Electrical Engineering



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