



COMSATS University Islamabad
Sahiwal Campus
(Department of Computer Science)

[Handwritten signature]
[Handwritten initials]

Course Title:	Web Technology	Course Code:	CSC 336	Credit Hours:	(2,1)
Course Instructor:	Syda Fatima	Programme Name:	BS(CS)		
Semester:	6	Batch:	CS	Section:	A,B
Time Allowed:	40 minutes	Date:	16-11-2021	Maximum Marks:	25
Student's Name:		Reg. No.	CUI/		/SWL
Important Instructions / Guidelines:					
Read the question paper carefully and answer the questions according to their statements.					
Mobile phones are not allowed. Calculators must not have any data/equations etc. in their memory.					

Midterm Examinations Fall-2021

Q # 1. Attempt the following.

[Marks 4]

- (a) In scripting language types are typically associated with values, not variables. Explain?
 (b) How many alert dialogs will the following JavaScript generate, and what will be displayed in each of them?

```
var x = "10";
function f()
{
    var x = "4";
    alert(this.x);
    function g() { alert(x); }
    g();
}
f();
```

Q # 2. Write a code snippets of HTML from a Web page. Make JavaScript function *changeColor* so that the color of the text changes in response to the selection made in the menu. [Marks 4]

Q # 3. Design the following pages required for a online book store website in HTML/CSS and JavaScript if needed: [Marks 10]

1) Homepage:

The static homepage must contain three frames.

Top frame: This frame should contain logo and college name followed by links to Homepage, Login page, Registration page, Catalogue page and Cart page.

Left frame: At least four links for navigation, which when clicked displays the respective catalogue page in the right frame.

Right frame: The pages to the links in the left frame must be loaded in this frame. Initially, this frame contains the description of the web site.

2) Login page:

3) Catalogue Page:

The catalogue page should contain the details of all the books available in the website in a table.



COMSATS University Islamabad
Sahiwal Campus
(Department of Computer Science)

MA

Course Title:	Web Technologies	Course Code:	CSC-336	Credit Hours:	(2,1)
Course Instructor:	Syda Fatima Usman	Programme Name:	BS(CS)		
Semester:	6	Batch:	CS	Section:	A/B
Time Allowed:	3 Hours	Date:	07/01/2022		
Student's Name:		Maximum Marks:	50		
		Reg. No.:	CUU/ /SWL		
Important Instructions / Guidelines: Read the question paper carefully and answer the questions according to their statements. Mobile phones are not allowed. Calculators must not have any data/equations etc. in their memory.					

Final Examinations Fall-2021

[Marks 20]

Q # 1. Attempt all the following questions.

- Write a simple code to make an image (named = "apple.gif", height and width = 50 pixels) as a link in web page? [3]
- Give benefits of external style sheets? Create (write code) an external style sheet and save it with name "external.css". Link "external.css" to an HTML document on which you want to apply the style? [4]
- Give the purpose of following HTML elements? [3]
 <head> <a>

- Write a code for creating following table in HTML document. [3]

Row 1, Column 1	Row 1, Column 2	
Row 2, Column 1	Row 2, Column 2	Row 2, Column 3
Row 3, Column 1	Row 3, Column 2	

- As a Web engineer, identify at least FIVE major challenges in the design and development of an image-hosting site where users can upload their images to a central server and the images can be retrieved via a web link or an API. Initially, focus on two the ability to upload (write) an image to the server, and the ability to query for an image. For each of the challenges identified, provide an outline solution including the technology to be used. Your answer should be in the form of a slide presentation to the client (5 slides with bullet points). [4]
- Write a code for creating the "vocabulary quiz" by using ordered and unordered list? [3]

Q # 2. Write PHP code for display "Section A" students from following database table in a grid-view. [10]

ID	Student Name	Father Name	Registration No.	Class	Section
1	Ali	Umer	FA-21-BS(CS)-001	BS(CS)	A
2	Ahmed	Qasim	FA-21-BS(CS)-002	BS(CS)	A
3	Waseem	Asif	FA-21-BS(CS)-003	BS(CS)	B
4	Salman	Ali	FA-21-BS(CS)-004	BS(CS)	B

Note: Code must include database connectivity, query and other design requirements in HTML.

Q # 3. Design the following form using language of your choice and apply validation using JavaScript. Write HTML and PHP code to extract form values into next page after submitting form using POST method and session variables. [10]

Salman

Registration Page

Username:

Password:

Email:

Confirm Password:

Gender: ☐ Male ☐ Female ☐ Other

Age:

Address:

City:

State:

Zip:

Phone:

Registration:

Q # 4. Design the web page in the format given below. Consider the following while writing code.

[10]

1. Background colour of page should be "blue"
2. Text style should be "Times New Roman"
3. Bottom message should be of size 2

YOUR LOGO HERE

From: Your Company
123 Main Street
Anytown, USA

Invoice #00043

Invoice Date: 15, 2011
Payment Due: January 15, 2012

To: Client Name
Address Line 1
Address Line 2

Service Description:
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce luctus, nisi ac ultricies per feugiat, dolor diam mollis massa, at ultrices risus ipsum eu ipsum.

Item	Quantity	Unit Price	Subtotal
Website architecture for 5 pages	10 hours	\$75	\$750
Design and layout of 5 pages in Photoshop	20 hours	\$75	\$1,500
Logo design	1	\$500	\$500
PSD to HTML coding	25 hours	\$100	\$2,500
UI Customization development	10 hours	\$100	\$1,000
Total			\$6,250

online payments processed by PayPal

The End

Page 2 of 2