B.Sc. Program Physical Science / Mathematical Science
Skill-Enhancement Elective Course (SEC) - Web Design using HTML5 (BSCS09B) Guidelines

Unit	Topic	Chapter	No. of Lectures	References
Unit I	**Introduction:** Introduction to HTML: What is HTML, HTML Documents, Basic structure of an HTML document, creating an HTML document, markup tags, heading-paragraphs, line breaks, HTML tags.	Ch 1, Ch2 upto pg 57, Ch 3upto pg 105. Pg 114-118	4	1
Unit II	**Elements of HTML:** Introduction to elements of HTML, working with text, lists, tables, frames, hyperlinks, images, multimedia, forms and controls.	Ch 3 106-113, Ch7 upto pg 259, Ch 9, Ch 10, Ch 11	8	1
Unit III	**Introduction to Cascading Style Sheets:** Concept of CSS, Creating Style Sheet, CSS Properties, CSS Styling (Background, Text Format, Controlling Fonts), Working with block elements and objects, Working with Lists and Tables, CSS Id and Class, Box Model(Introduction, Border properties, Padding Properties, Margin properties).	Ch 4 upto pg 139 and 142 onwards , Ch 5	8	1
Unit IV	**CSS Advanced:** CSS Advanced (Grouping, Dimension, Display, Positioning, Floating, Align, Pseudo class, Navigation Bar, Image Sprites, Attribute sector), CSS Color.	Ch4 pg 140-141, Ch6, Ch 7 pg 266-275	6	1
Unit V	**Web Designs:** Creating page Layout and Site Designs.	Ch 18, Ch 19 upto pg 641	4	1

References

1. Boehm, A., & Ruvalcaba, Z. (2015). *Murach's HTML5 and CCS3 (3rd Edition)*. Mike Murach & Associates. (soft copy version)

Additional Resources

1. Minnick, J.   (2015). *Web Design with HTML5 and CSS3 (8th Edition)*. Cengage Learning.

Practicals

1. Create HTML document with the following formatting – Bold, Italics, Underline, Colors, Headings, Title, Font and Font Width, Background, Paragraph, Line Breaks, Horizontal Line, Blinking text as well as marquee text.

2. Write an HTML code to generate the following list (with given links). The link should show the image of that particular city.

   - India
     - North India
       - I. Chandigarh
       - II. Shimla
       - III. Srinagar
     - NCR
       - a. Gurgaon
       - b. Noida
       - c. Faridabad

3. Write an HTML program to create the Table in the following format:

			Some image here	

4. Write an HTML program to design a form which should allow entering your personal data

(Hint: make use of text field, password field, e-mail, lists, radio buttons, checkboxes, submit button)

5. Create an HTML document (having two frames) which will appear as follows:

About Department 1 Department 2 Department 3	This frame would show the contents according to the link clicked by the user on the left frame.

6. Create a form using HTML which has the following types of controls:

   I. Text Box
   II. Option/radio buttons
   III. Check boxes
   IV. Reset and Submit buttons

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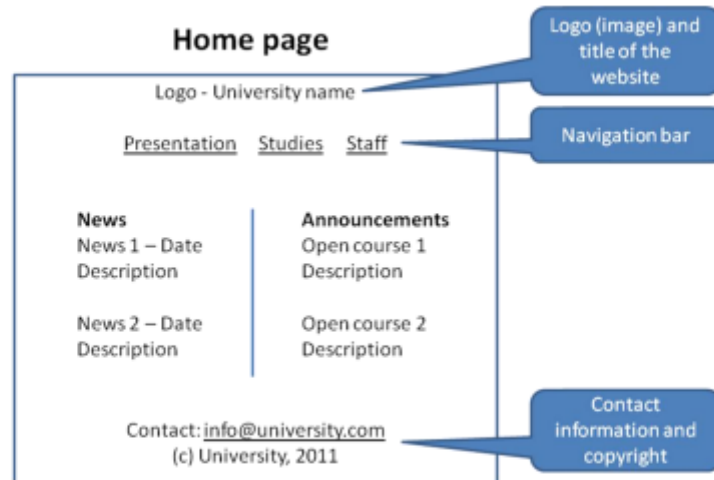Email: [   ]
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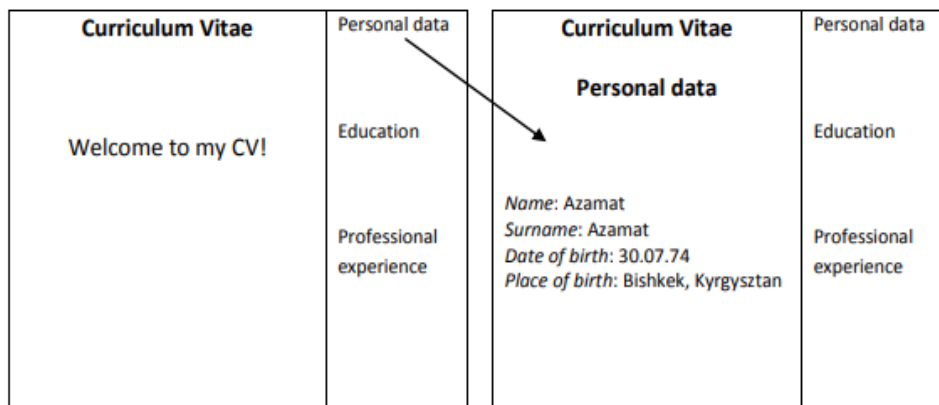⦿ Here on the Web ○ In a magazine ○ Television ○ Other
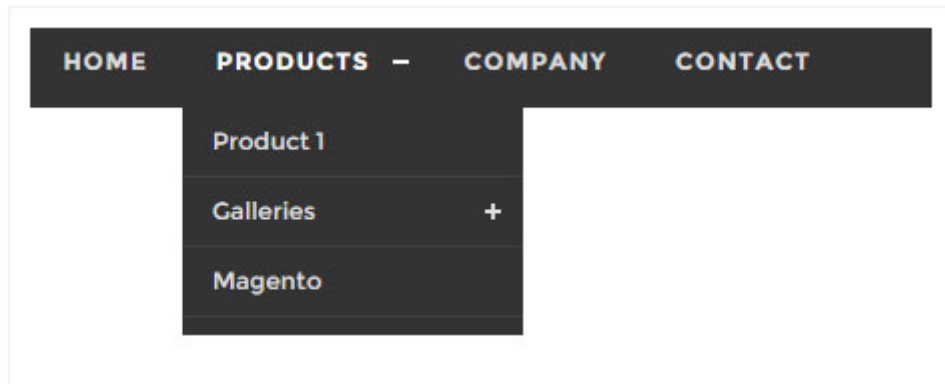Would you like to be on our regular mailing list?
☑ Yes, we love junk emails

[Reset] [Send it in!]

7. Create a website using HTML and CSS with the following information, structure and visual presentation:

Home page

Logo - University name

Presentation   Studies   Staff

News
News 1 – Date
Description

News 2 – Date
Description

Announcements
Open course 1
Description

Open course 2
Description

Contact: info@university.com
(c) University, 2011

Logo (image) and title of the website

Navigation bar

Contact information and copyright

8. Create a website using HTML and CSS for your curriculum vitae. You must use a two column layout and second column must be the navigation bar.

Curriculum Vitae

Welcome to my CV!

Personal data

Education

Professional experience

Curriculum Vitae

Personal data

Name: Azamat
Surname: Azamat
Date of birth: 30.07.74
Place of birth: Bishkek, Kyrgysztan

Personal data

Education

Professional experience

9. Create a web page using 2-tier menus in page.

10.   Create a webpage using HTML and CSS for your college highlighting facilities provided to students by the college.

11.   Create a web page with three paragraph and define three classes for these paragraphs

< p class = "normal" >   Color dark blue

< p class = "important" > Color red background color yellow

< p class = "extra" >   Color green background color grey