



**UNIVERSITY OF ENERGY & NATURAL RESOURCES, SUNYANI, GHANA**  
**SCHOOL OF ENGINEERING**  
**DEPARTMENT OF COMPUTER AND ELECTRICAL ENGINEERING**  
**LEVEL 400 [END OF FIRST SEMESTER EXAMINATIONS, 2016/2017]**  
**B.SC. ELECTRICAL & ELECTRONIC ENGINEERING**  
**CENG 209: WEB DESIGN**

**December 2016**

**TIME ALLOWED: 2 Hours**

**INSTRUCTIONS: ATTEMPT ALL QUESTIONS**

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*Question 1*

- a. Define the following terms:
- i. Design
  - ii. Design Elements
  - iii. Design Principles
  - iv. Layout
  - v. Perception
- (5 marks)
- b. State the Gestalt theory and explain briefly its influence on web design. (6 marks)

*Question 2*

Write short notes on the following

- i. Web Architectures
  - ii. Information Architectures
- (10 marks)

*Question 3*

a. Create the tables below in html.

i.

Name	Telephone	
Student 1	55	56
Student 2	34	76
Student 3	43	67

(4 marks)

ii.

Name	Student 1
Telephone	55
	56

(3 marks)

(5 marks)

b) Discuss the various CSS styles in HTML.

*Question 4*

a. Create a form with two fieldset elements in HTML as shown below:

Name:

Age:

Sex

Male ☐

Female ☐

Siblings

Brothers ☐

Sisters ☐

Both ☐

Fields

(12 marks)

Question 5

- a. Create the following page with HTML. The style for the background color and text colour should be external. Div one has a background colour of black and Div two has a background colour red. The last paragraph in Div one is red. Text colour of the list items in Div two is yellow.
- (13 marks)

This is Div one in a paragraph.

This is a link in a paragraph.

**This text is bold.**

*This text is italicized.*

This text is red in a paragraph.

This is Div two in a paragraph.

This is a list of items:

- Citrus
  1. Orange
  2. Tangerine
- Vegetables
  1. Tomato
  2. Pepper

b.

Background colour = Red

Font Colour = Yellow

- b. What is the difference between the class and id attributes?

(2 marks)

`<style font="color:red"><p>this is a paragraph</p>`  
`style background="color:black"`