



FOUNTAIN UNIVERSITY, OSOGBO, NIGERIA.

P.M.B.4491, OSOGBO, OSUN STATE.

COLLEGE OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF MATHEMATICAL AND COMPUTER SCIENCES
2021/2022 FIRST SEMESTER EXAMINATION

CPS 203: DATA PROCESSING & WEB DESIGN

Credit Unit/Status: 2 (C)

Time Allowed: 2.00Hours

27/03/2022

INSTRUCTION(s): Attempt ALL Questions in Section A & Any Two (2) Questions in Section B.

SECTION A

Question 1

Assuming Fountain University is proposing a Faculty of Computing and Informatics that will house three main Departments, namely Department of Computer Science, Department of Information System and Department of Cybersecurity. You have been asked to provide a web site that will promote the programmes of these Departments. You are to do the following:

- Create a detailed sketch of the website [5marks]
- Implement (using HTML) the home page of your site. [10marks]

Question 2

- Write short note on the terms: [10 marks]
 - Markup languages
 - HTML5
 - CSS
 - PHP
 - Site Map
- Write PHP codes to display your personal details to display your personal details to include Matriculation Number, Address, Email Address, Department, Year of study and your favorite quotes. [5marks]

SECTION B

Question 1

- Using suitable examples, describe the purpose of the following HTML elements.
 - Head
 - Body
 - Blockquote
 - Structural elements
 - Phrase elements[10marks]
- As a web programmer, why would you use POST Method to send your data, rather than the GET method? [3marks]
- Differentiate between Web Programming and any other type of programming that you know? [2marks]

Question 2

- Describe the various ways of passing variables from page to page. [7½marks]
- Give three (3) reasons why you must use CSS on your web page. [2 ½marks]
- Describe a reason to use external styles. Explain where external styles are placed and how web pages indicate that they are using external styles. [5marks]

• *Question 3*

- a. Explain why it is good practice to place the e-mail address on the web page and within the anchor tag when creating an e-mail link. [2½marks]
- b. Design and implement a personal registration form for prospective applicants of Developers Students' Club. [5 marks]
- d. Differentiate between the following terms: [7½marks]
 - i. Web and Internet
 - ii. Block level elements and Inline elements
 - iii. Ordered lists and Unordered lists.
 - iv. Relative Hyperlinks and Absolute hyperlinks
 - v. Embedded Style Sheet and External Style sheet.