



**CRAWFORD UNIVERSITY**  
**Faculty of Natural and Applied Sciences**  
 Department of Computer Science and Information Technology  
 Rain Semester Examination 2010/2011 Academic Session

**Level: 400**

**Course Code/Title: ICT 310 – Web Technology**

**INSTRUCTION: Answer question ONE and any TWO**

**Time: 2 hours**

- 1a. What are the limitations of HTML over XML? [4Marks]
- b. Mention eight primary XML design goals [8Marks]
- c. Describe briefly the two categories of XML documents [4Marks]
- d. Describe the components of XML documents [4Marks]
- e. What are the usefulness of style sheet in an XML document, hence mention two style sheet used with XML document [10 Marks]
  
- 2a. What is the important of XML declaration? Write out the syntax and give an example [6Marks]
- b. Write the processing instruction to link a style sheet to XML document and give an example. [4Marks]
- c. Create an XML document with following the fields (name, matric-no, class of degree, school) for 10 students in your class. [10Marks]
  
- 3a. Write the syntax of JavaScript embedded in HTML document [4 Marks]
- b. Write the syntax of HTML documents. [4 Marks]
- c. Write a Javascript code in HTML document to print the message "Welcome" [6Marks]
- d. Mention three different places that you can put your JavaScript code in HTML document with. [6 Marks]
  
- 4a. What is data binding? [2Marks]
- b. Write out the syntax for binding XML elements to HTML tag [3Marks]
- c. Write out the syntax for applying method in data source object and give four examples of recordset methods [6Marks]
- d. Write short HTML code to demonstrate the methods listed in 4c above [5Marks]
- e. Mention four functionalities of JavaScript in Web design. [4Marks]
  
- 5a. Write HTML document to implement the table below. [10 Marks]

S/N	Name	Age	Sex	Marital Status	State
1.	Adebayo Sola	23	Male	Single	Lagos
2.	Peter Balogun	34	Female	Married	Ogun
3.	Osagie Christopher	18	Female	Single	Abia
4.	Olaoluwa Aina	56	Male	Divorced	Kwara

- b. Write HTML code to create a form with table headings of (c) above. [10 Marks]

*Mr. Adebisi*