



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY
DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY

FIRST SEMESTER 2014/2015 EXAMINATION

COURSE CODE: IMT312
COURSE TITLE: ELECTRONIC COMMERCE (e-commerce)
CREDIT UNITS: 2
TIME ALLOWED: 2hrs. 15mins
COURSE LECTURER(S): Mal. M.E. Alhassan and Mr. H.A. Zubairu
NUMBER OF QUESTIONS: 5
NUMBER OF PAGES: 2 (INCLUDING THIS PAGE)

INSTRUCTIONS

- Answer all questions
- Do not use red pen
- Please use a clear handwriting
- This exam is closed book, closed notes, closed laptop and closed cell phone
- Please use non-programmable calculators only
- Indicate at the top the number of each question answered



- 1(a) What is the difference between commerce and electronic commerce? (3 marks)
- (c) Advance at least five reasons why e-commerce has not been very successful in Nigeria? (5 marks)
- (d) Compare online and traditional transactions in terms of richness. (2 marks)

2. IMT Department has an upcoming e-commerce website in Gidan Kwanu. The Department wants to provide a registration form on their website, where the customers can login and provide their personal, and item details. The form should contain the following fields:

Login Detail: Username, password, Re-enter password.

Personal Information Details: First Name, Last Name, Email and Gender.

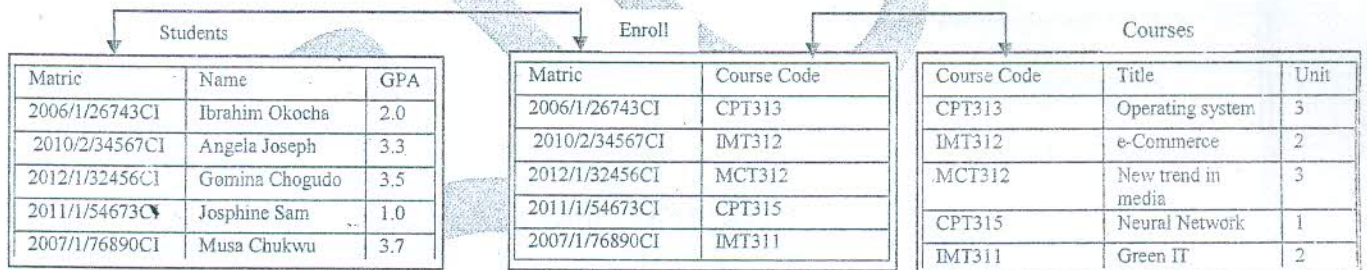
Item Details: CD, VCD, Software, eBooks and laptop (the customer should be able to select multiple items).

The form should contain buttons to submit or reset value entered in the various field. The following condition must be enforce.

- (i) The login name, password, first Name and Last name must not be empty
- (ii) The value entered in the password and re-entered password should be the same. (15 marks)

3(a) What is the relationship between DTD and XML? (2 marks)

(b) A relational databases for a particular school in Gidan Kwanu Village is shown below. Create the XML version of the tables for effective interoperability with other schools. (10 marks)



- 4 (a) Describe the function of a Router in a network. (3 marks)
- (b) We need to create a temporary network for an experiment in school of ICT. The network must span larger distances but we don't need any networking devices because of cost implication. Reliability is not that an issue since the network is for an experimental purpose, which network topology is appropriate for the above situation? Give reason(s). (5 marks)
- (c) What is a transaction costs? What transaction costs do you think are associated with a bookstore business? (4 marks)
- 5 (a) List six advantages and six disadvantages of using cash as payment method (6 marks)
- (b) Why is a Credit card not considered an accumulating balance payment system? (3 marks)
- (d) Explain how public key cryptography may be used for identification (3 marks)