

UNIVERSITY OF BUEA  
AND TECHNOLOGY

FACULTY OF ENGINEERING

SECOND SEMESTER EXAMINATIONS

DEPARTMENT: Computer Engineering  
Ndifon I.N.

COURSE INSTRUCTOR:

YEAR: 2013  
NUMBER: CEF 208

COURSE CODE &

DATE: 3/7/2013  
Information Systems

COURSE TITLE:

TIME ALLOWED: 3 Hours

CREDIT VALUE: 6

TIME:15:00-18:00

INSTRUCTIONS: Answer ALL Questions. Each question is worth 14 marks. Start each question on a new page. Grammatical errors will be penalized.

Question One

- (a) Explain what an information system is
- (b) Why is an information system important in an organization like the University of Buea
- (c) What steps would you take, suppose you were to create an information system for your faculty?

Question Two

What is (a) mobile commerce? (b) e-commerce? Explain the practical implementation of the five -stage model for e-Commerce. Discuss the advantages and global challenges of E-commerce and M-Commerce

Question Three

Both application and system software are very important in computer based information systems.

- (a) Define applications and systems software, giving two examples in each case.
- (b) How are applications and systems software important in IS?
- (c) What is software licensing?
- (d) Distinguish between shareware, spyware and freeware

#### Question Four

One of the issue in information systems is the transmission of data when the need arises.

(a) State how this is important for an information system

(b) The internet, intranet and extranet are various ways of achieving this transmission.

(i) explain the terms briefly, indicating their relative advantages and disadvantages.

(ii) Define each term in one line: switch, router, gateway, bridge

#### Question Five

Define the following terms as far as the social impact of computer is concerned; stating clearly how they are connected to information systems:

Spam filter, war-driving, dumpster driving, cyber-terrorism, identity theft, hacking, virus, worm, Trojan-horse, software-piracy