

fomenly

**UNIVERSITY OF BUEA
COLLEGE OF TECHNOLOGY
FIRST SEMESTER EXAMINATIONS**

MONTH: February
YEAR: 2020

COURSE INSTRUCTORS: SONE /NKOME
COURSE CODE & NUMBER: CEC ~~209~~ 325
COURSE TITLE: Introduction to Networking and Security

DATE: 26/2/2020
TIME ALLOWED: 2 HOURS

TIME: 08:00-10:00
CREDIT VALUE: 4

SECTION A: ANSWER ALL QUESTIONS

QUESTION 1 (20 marks)

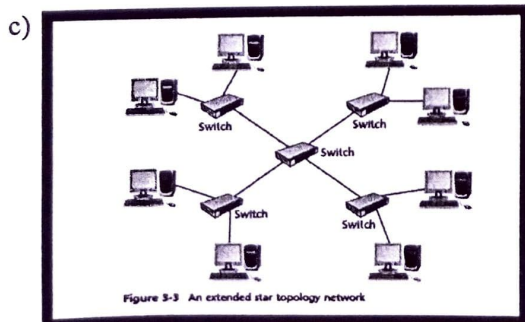
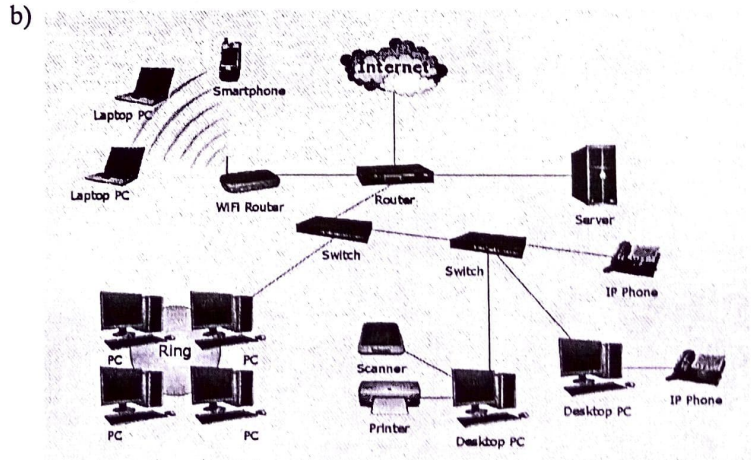
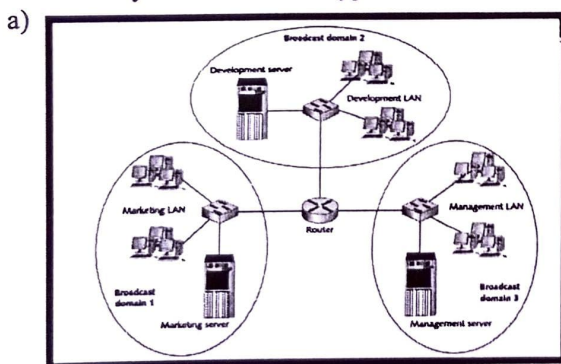
- The operations of a switch can be summarized in five steps. State the steps (5mks)
- What is the difference between a network packet and a frame (2mks)
- State the steps of a network communication (5mks)
- What is the difference between a collision domain and a broadcast domain (2mks)
- What is the difference between the following intermediate devices based collision domain and broadcast domain (6mks)
 - A hub
 - A switch
 - A router

QUESTION 2 (20marks)

- What is the full meaning of OSI (1mk)
- State the layers of the OSI Model in the correct order and give the main function of each of the layers (7mks)
- What is the difference between a physical and logical network topology (2mks)
- Diagrammatically only represent the different types of topology that you know (10mks)

QUESTION 3 (20 marks)

Identify the number and type of networks in each of these figures (10mks)



All the best