



PAN AFRICA CHRISTIAN UNIVERSITY

(DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY)

END OF TERM EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: DICT 0111

CAMPUS: ROYSAMBU

COURSE TITLE: INTRODUCTION TO COMPUTERS AND OPERATING SYSTEMS

EXAM DATE: FRIDAY, DATE (DDTH MONTH YEAR)

TIME: START HOUR – END 08:00-11 :00 HRS

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other THREE questions in Section **B**.
- None programmable calculators permitted
- Calculators on phones, tablets and computers are NOT permitted in Theory Papers

SECTION A

(Answer ALL questions in this section)

Question 1:

- a) Computers can be classified according to various factors. Explain three types of computers according to how they handle data **(6 Marks)**

- b) There are various types of printers in the market today. Under which circumstances would you choose a non-impact printer over an impact printer for your operations **(4 Marks)**

SECTION B

(Answer any THREE (3) questions in this section)

Question 2:

- a) ACB Bank computer systems seem to have been attacked by a computer virus. Discuss some symptoms that they are likely to be experiencing. **(6 Marks)**

- b) As a network Administrator at XYZ corporation, you have been required to expand the network using a hub or a switch to accommodate new employees. Explain the reason you would choose a switch instead of a hub **(4 Marks)**

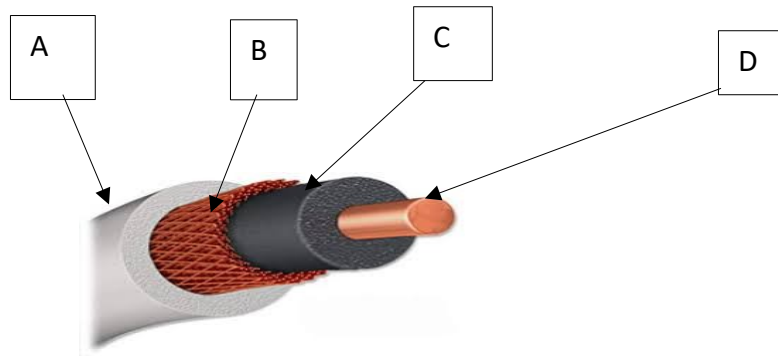
Question 3:

In 1989 Kodak company employed 145000 people. In 2013 the company filed for bankruptcy

Discuss the role of computers and digital devices in the downfall of this photography company
(10 Marks)

Question 4:

- a) Below is a diagram of a networking cable. Identify the various parts of the cable giving their functions
(4 Marks)



- b) ABC Company would wish to buy new accounting software. Discuss the various factors to put into consideration when purchasing the software
(6 Marks)

Question 5:

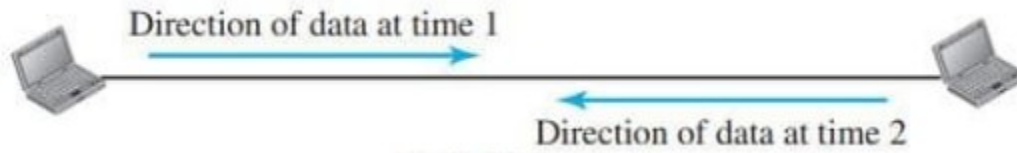
Filing systems have evolved through the years from manual filing of information to modern filing systems. Discuss various benefits of computer filing systems

(10 Marks)

Question 6:

- a) Jane wants to enhance the operation of her laptop operating system. As the technician explain to her the (2) two utility software that she can use for this purpose.
(5 Marks)

b Below is an image of data transmission between two computers. Discuss the type of transmission illustrated and give an example **(5 Marks)**



THE END