



PAN AFRICA CHRISTIAN UNIVERSITY
SCHOOL OF LEADERSHIP, BUSINESS & TECHNOLOGY
END OF SEMESTER EXAMINATION
FOR DIPLOMA IN INFORMATION & COMMUNICATION
TECHNOLOGY
MAY-AUGUST 2019

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY
COURSE CODE: DICT0211
CAMPUS: ROYSAMBU
COURSE TITLE: HARDWAREMAINTENANCE AND NETWORKING
EXAM DATE: WEDNESDAY 14TH AUGUST 2019
TIME: 0900 HOURS –1100 HOURS

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer **question ONE** and any other **Three** questions
- Write only your **student number** on the answer booklet provided.
- None programmable calculators permitted
- Calculators on phones, tablets and computers are NOT permitted in Theory Papers

QUESTION ONE: COMPULSORY

- a) State **TWO** advantages of carrying out routine preventive maintenance **(4 Marks)**
- b) Identify **TWO** interfaces used to attach hard drives to a PC. **(2 Marks)**
- c) Explain **FOUR** Features used to describe electricity. **(8 Marks)**
- d) Explain **TWO** items are used to manually configure components of the PC **(4 Marks)**
- e) Describe **THREE** types of connectors found at the back of the PC **(6 Marks)**
- f) Contrast between desktop computers and portable computers. **(6 Marks)**

QUESTION TWO

- a) List **THREE** cables that are used in networking and the connector ports generally associated with them. **(6 Marks)**
- b) Describe any **TWO** types of network topologies **(4 Marks)**

QUESTION THREE

Describe **FIVE** categories of computer hardware **(10 Marks)**

QUESTION FOUR

- a) A client calls and complains that the laser printer is printing faintly on one side of the paper. As you go to do the support work what are the **TWO** possible causes of the problem. **(2 Marks)**
- b) State **FOUR** symptoms of a failing power supply unit **(4 Marks)**
- c) Explain how the buildup of dust and debris would affect the working of a computer **(4**

Marks)

QUESTION FIVE

- a) Describe **FIVE** motherboard form factors used in PCs **(5 Marks)**
- b) Explain **FIVE** symptoms of possible electrical problems in a computer system **(5**

Marks)

QUESTION SIX

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EXAMINATIONS PAPER**



a) Write short notes on any **TWO** types of ROM.

(4 Marks)

b) Describe any **THREE** types of secondary storage

(6 Marks)