



PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: DICT0211

CAMPUS: ROYSAMBU

COURSE TITLE: HARDWARE MAINTENANCE AND NETWORKING

EXAM DATE: 25th August 2020

TIME: START HOUR – END 11.15 AM – 2.15 PM

INSTRUCTIONS

- This exam paper has **six** questions
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other **three** questions in Section **B**.

SECTION A (Compulsory)

Question one

- a) A laboratory technician suspects that one of the computers could be suffering from over heating. Explain **THREE** possible checks that he can perform to resolve the issue. **[6 Marks]**
- b) Grace realized in the morning that her personal desktop was not displaying anything despite all other system components functioning well. Discuss **TWO** possible faults and causes. **[4 Marks]**

SECTION B(Chose any THREE questions)

Question two

- a) One computer in the lab is slow and the lab technician intends to increase the number of processors in it. Identify and explain **THREE** things he should consider before proceeding. **[6 Marks]**

- b) Cloud networking is one the fast-emerging trends in networking, discuss **[4 Marks]**

Question three

- a) You have been selected as a consultant of ABX company and are to install their network, discuss the criteria you will use in installing their network **[8 Marks]**
- b) Name at least **FOUR** gadgets you will buy to install the above network **[2 Marks]**

Question four

You are a consultant of company AXY and you are to give a talk on microprocessors, give a highlight on how they work and give three features **[10 Marks]**

Question five

- a) A Windows 10 laptop has the the following specifications; "*Intel(R) Core(TM) i7-2600 CPU @ 3.40 GHz, 1TB, 16"*" Explain the meaning of this statement. **[4 Marks]**
- b) Discuss Electric Hand Drier as open loop control systems stating **TWO** advantages **[6 Marks]**

Question six

- a) Technician Ezekiel plans to do a preventive maintenance at his workplace, discuss at least **THREE** activities that he will perform during this activity period **[6 Marks]**
- b) Give **TWO** precautions that Ezekiel has to keep in mind during this process **[4Marks]**