YABA COLLEGE OF TECHNOLOGY

SCHOOL OF TECHNOLOGY

DEPARTMENT OF COMPUTER TECHNOLOGY
1ST SEMESTER EXAMINATIONS 2010/2011 SESSION

CLASS: ND 3   **Paper Code:** COM 114
TITLE: PC UPGRADING & MAINTENANCE   **TIME:** 2 Hours

INSTRUCTION:
There should be no jotting, writing or any other inscription on the question paper, except the student's name and registration number where applicable.

ANSWER **FOUR OUT OF SIX QUESTIONS.**

* *Candidate's Name:*
* *Registration Number:*
* *Sitting Arrangement No.:*

PART – TIME EXAMINATION
DAY 1 AFTERNOON -   SATURDAY 21/05/2011

I will be so glad to witness the birth of
"THE UNIVERSITY OF TECHNOLOGY, YABA".

This Question paper should not be opened until you are asked to do so.

ND 3 PT - PC UPGRADING AND MAINTENANCE - 2 UNIT
ATTEMPT ANY 4 QUESTION FROM 6 - 2HRS

Question 1
a) (i) Write short note on "Radio shack sell"
  ii) Explain the use of chemical as troubleshooting and repair tool with examples.
b) List and explain any five things that affect the choice of any peripheral when assembling a computer system?
c) Explain the differences between Conservative and Non Conservative PCs

Question 2
a) Explain the term Silencing?
b) (i) List any three ways in which virus affects our PCs
  (ii) Name and give function of any five tools use in troubleshooting or repairing a system.
c) What are the procedures involves in hard disk preventive maintenance.

Question 3
a) Write short note on the following as they relate to computer environment
    i) Dust and pollutant
    ii) Heating and cooling
    iii)   Power line noise
    iv) Radio Frequency Interference
b) What is the function of SIMMs tester? In the absence of SIMMs tester, which option is left for the computer engineer to test memory? List any five activities that a SIMMs tester does during memory testing

Question 4

a) Highlight any 5 typical hazards threatening the normal operation of Pc

b) i) Explain the term Diagnostics program?

ii) How can diagnostic program be used to perform corrective maintenance in a computer system?

c) Differentiate between defragmentation and fragmentation? Discuss two ways of periodic defragmentation of files?

Question 5

a) Assuming you have a computer and you want to enable new one, what are two things that need to be guide before one start to purchase parts.

b) Differentiate AT motherboard and ATX motherboard?

c) Explain the following terms

   (i) Clone System   (ii)Branded System

    (iii) Open motherboard   (iv) Complete motherboard

Question 6

a) Write short note on the following as related to trouble shooting Digital system

   i) Fault detection

   ii) Fault correction

   iii) Fault isolation

b) (i) List any 3 components of computer that can be over clocking or vice versa

   (ii) State and explain 3 types processor bus

c) Differentiate between upgrading and repair.