**TAKORADI TECHNICAL UNIVERSITY, TAKORADI**

**FACULTY OF APPLIED SCIENCES**

**DEPARTMENT OF INFORMATION & COMMUNICATIONS TECHNOLOGY**

**EVENING: END\_OF\_SEMESTER\_2 @ 2018**

**Course Code: 1CT 220 Course Title: Hardware Technology II**

**Time Allowed: 2 1/2 hours Mark: 60**

**Section A: 20 marks**

**ANSWER QUESTION ONE – COMPULSORY**

1a. Suppose that you have a maintenance package that identifies several possible field replaceable units (FRUs) that will resolve the problem. What should you do after turning the power off?

(3 marks)

1b. Briefly describe a ROM BIOS

1. marks)

1c. Describe in details what a Form Factor is

(13 marks)

**Section B: 40 marks**

Answer **FOUR Major Questions** in this section as per their respective instructions.

1. Exhibit thorough knowledge on the sequence of booting a Computer.
2. marks)

2a. What is Preventive Maintenance?

(5 marks)

2b. What is the importance of Preventive Maintenance?

(5 marks)

(10 marks)

3. What is a motherboard? Explain both into details

(10 marks)

4a**.** Explain what a BIOS is

(2 marks)

4b. What’s the purpose of Hardware Maintenance?

(6 marks)

4c. Briefly explain what a sector on a hard disk is?

(2 marks)

4d. what could cause a fixed disk error?

(2 marks)

4e.Describe the boot sequence briefly

(2 marks)

(10 marks)

5. Your computer is not working and from the look of things, it has no indication of Power.

You need to trouble-shoot. How will you go about the Power Supply Troubleshooting?

(10 marks)

**(Marks: 20 marks)**

**END OF PAPER**