



UNIVERSITY OF EDUCATION, WINNEBA  
INSTITUTE FOR TEACHER EDUCATION AND CONTINUING  
PROFESSIONAL DEVELOPMENT (ITECPD)



END-OF-SECOND SEMESTER EXAMINATIONS, NOVEMBER, 2023

LEVEL 400

COURSE CODE: JBT481

COURSE TITLE: LABORATORY MANAGEMENT AND PC MAINTENANCE

TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

VISIT: [COLEMANPUBLICATION.COM](http://COLEMANPUBLICATION.COM) FOR MORE

GENERAL INSTRUCTIONS:

- This paper is made up of ONE SECTION.
- The Section is made up of five essay type questions.
- Answer any THREE questions in your answer booklet.
- Each question carries equal marks. You are expected to start each question on a new page.
- You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.

**Instruction:** Answer any three (3) questions in the answer booklet provided.

1. a. Your task is to deliver a presentation to an audience about the functions of a desktop PC motherboard. Discuss at least **three (3)** key points during your presentation. (12 marks)  
b. Discuss any **two (2)** primary functions of a power supply unit (PSU) in a computer, and why is it crucial for stable and reliable system operation? (8 marks)
2. A technician would want to build a desktop computer. As an IT specialist, discuss **five (5)** key components required by the technician to build this basic desktop computer and state their functions. (20 marks)

3. Discuss any **five (5)** things to consider when upgrading a computer's RAM and storage device from a lower capacity to a higher one. **(20 marks)**
4. a. How would you explain computer memory to a new computer user? **(4 marks)**  
b. Identify the **three (3)** main types of computer memory. **(6 marks)**  
c. Explain the memories listed in question b above, giving one (1) example of each. **(10 marks)**
5. An enthusiastic IT student wants to install a software on her PC. Establish **five (5)** guiding principles she must follow to install the software on her computer. **(20 marks)**

VISIT: [COLEMANPUBLICATION.COM](http://COLEMANPUBLICATION.COM) FOR MORE