UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND CONTINUING
PROFESSIONAL DEVELOPMENT (ITECPD)
END-OF-SECOND-SEMESTER EXAMINATIONS, OCTOBER, 2023

LEVEL 100
COURSE CODE: EBC 121
COURSE TITLE: INTRODUCTION TO INFORMATION, COMMUNICATION AND TECHNOLOGY

TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

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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.*

1a. Identify and explain the **two (2)** major components of computer software to your colleague. **(6marks)**

1b. What is computer network? **(2marks)**

1c. Data communication system has **five (5)** components. State and explain **four (4)** of the components to a JHS student. **(12marks)**

2a. During your STS, the head teacher of your school approached you to help the school purchase computers for the school's ICT Lab. State and explain **five (5)** characteristics of the computers you will help them to buy. **(15marks)**

2b. What is the role of an Operating System (OS) in a computer system? **(5marks)**

3a. How would you explain the concept of "copyright" to pupils? **(5 marks)**

3b. What is blog as used in internet and social media. **(5 marks)**

3c. Explain the purpose of the Recycle (or Trash) Bin in operating systems, and state two (2) ways it facilitates file management? **(8 marks)**

3d. With an example, explain the concept web browser. **(2 marks)**

4a. ICTs have become most popular in the 21st century teaching and learning setting and a major component in the Standard-based Curriculum in Ghana. In this regard, how would you use ICTs to facilitate your on-campus teaching practice through the following instructional procedures?
  i.   Active learning
  ii. Collaborative learning
  iii. Evaluative learning **(12marks)**

4b. Explain the following terms as applied in ICT education:
  i.   Computer Literacy
  ii. Information Literacy
  iii. Computer Hardware
  iv. Computer Software **(8marks)**

5a. Explain **four (4)** relevance of digital literacy in word processing packages to the 21st century student-teacher. **(12 marks)**

5b. State any **four (4)** advantages of storage devices to you as a 21st century student-teacher. **(4marks)**

5c. How do you differentiate between a file and a folder as used in Windows to an upper primary pupil? **(4marks)**