



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



END OF FIRST SEMESTER EXAMINATIONS, APRIL, 2024

LEVEL 200

COURSE CODE: JBT 232

COURSE TITLE: MULTIMEDIA AUTHORIZING IN EDUCATION

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.

1. Discuss the potential benefits and drawbacks of using courseware in the classroom. In your response, consider the role of the teacher and how courseware can be effectively integrated into the learning process. (20 marks)
2. In a traditional classroom setting, teachers play a vital role in guiding students' learning. However, technology offers alternative instructional methods. Explain the concept of tutorial software and discuss how it can be beneficial for student learning, considering both its advantages and potential limitations. (20 marks)

3. The concept of media goes beyond the digital realm. Explain the definition of multimedia and discuss how it can be used to enhance communication, considering both traditional and digital examples. (20 marks)
4. Object-Oriented Programming (OOP) offers numerous advantages compared to traditional programming approaches. Discuss how the key benefits of OOP, such as reusability, polymorphism, encapsulation, and improved maintainability, contribute to efficient and robust software development. (20 marks)
5. Multimedia databases offer exciting possibilities for storing and managing diverse data types. However, they also present unique challenges. Discuss the key challenges associated with multimedia databases, focusing on modeling, design, storage, performance, and queries/retrieval. (20 marks)

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