



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



END OF SECOND SEMESTER EXAMINATIONS, OCTOBER, 2024

LEVEL 200

COURSE CODE: JBA242

COURSE TITLE: AGRICULTURAL RESOURCES AND TECHNOLOGY

TIME ALLOWED: 2 HOURS

STUDENT'S INDEX NUMBER:



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- 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(s) provided

Q1

- Discuss **five (5)** ways in which drones can be used to facilitate agricultural activities. **(10 marks)**
- State the **three (3)** basic units of soil. **(3 marks)**
- What is the difference between contact and systemic pesticides? **(4 marks)**
- State **three (3)** advantages of organic fertilizer over inorganic fertilizer **(3 marks)**

Q2

- State **five (5)** safe ways of handling insecticides in storage. **(5 marks)**
- State and explain **five (5)** physical properties of soil. **(10 marks)**

- c. In **five (5)** ways state why farm animals should be housed. (5 marks)

Q3

- a. What is the name of the meat product of the following domestic animals; pig, sheep, goat, geese and horse. (5 marks)
- b. Examine **five (5)** reasons for liming fish pond. (10 marks)
- c. List **five (5)** qualities of grasses for lawn establishment. (5 marks)

Q4

- a. Discuss the following types of technology in agriculture;
- i. Traditional (3 marks)
- ii. Intermediate (3 marks)
- iii. Modern (3 marks)
- b. Outline **five (5)** purposes of improvisation of teaching and learning materials in agriculture. (5 marks)
- c. State and explain the **two** types of natural resources. (6 marks)

Q5

- a. Outline **five (5)** importance of instructional materials in agriculture. (10 marks)
- b. What is sustainable agriculture? (2 marks)
- c. Discuss **four (4)** negative effects of agriculture. (8 marks)

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