



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



END-OF-FIRST-SEMESTER EXAMINATIONS. JUNE, 2023

LEVEL 200

COURSE CODE: JBA 232

COURSE TITLE: ENVIRONMENTAL EFFECTS ON AGRICULTURE AND  
ENTREPRENEURSHIP

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 six essay type questions.
- Answer any FOUR 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 four (4) questions in the answer booklet provided.

1. a. Describe with examples how biting and chewing mouthparts cause damage to plant. (9 marks)
- b. Write down **four** management measures to control or prevent endoparasites. (8 marks)
- c. Differentiate with two examples each between complete and incomplete metamorphosis. (8 marks)
2. a. Define the term **entrepreneurship**. (2 marks)
- b. i. List **four** general sanitation of a poultry farm. (4 marks)
- ii. Describe how you will care for a sick fowl. (7 marks)
- iii. Explain the concept **relative humidity**. (3 marks)

- c. Summarize any **three** negative activities on the environment that affect animals and man. (9 marks).
- 3.a. Tabulate **three** advantages and **two** disadvantages of Limited Liability Company. (5 marks)
- b. Enumerate **two** financial challenges of Value Chain. (4 marks)
- c. Describe **four** key actors in the Agricultural Value Chain. (16 marks)
4. A cattle was observed to have blisters or sores on the mouth and feet and began producing saliva and was unable to eat. Assess the cattle's condition and predict:
- a. i. The disease the animal is suffering from. (2 marks)
- ii. State the causative organism of the disease. (2 marks)
- iii. Write any **five** ways of preventing and controlling the disease. (5 marks)
- b. Distinguish between vernalization and photoperiodism. (4 marks)
- c. Describe **five** ways of ensuring that vehicles into plant nurseries do not carry any diseases. (12 marks)
5. a. i. Define the concept **natural passive immunity** as used in animal diseases. (2 marks)
- ii. Explain any **four** economic importance of degraded soils. (12 marks).
- b. Assess any **three** ways by which pathogens may cause plant diseases. (6 marks)
- c. Describe how the following principles of pests and diseases control can be applied:
- i. exclusion (3 marks)
- ii. eradication (2 marks)
6. a. Compare the Integrated Pest Management (IPM) method of controlling pests and diseases to the chemical method. (12 marks).
- b. Examine how sunlight affects crop production. (8 marks).
- c. Assess any **five** management practices that make animals less susceptible to diseases. (5 marks)

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