

OCTOBER 2023  
EBS 131  
INTEGRATED PEST MANAGEMENT  
1 HOUR 30 MINUTES

Candidate's Index Number
Signature:

UNIVERSITY OF CAPE COAST  
COLLEGE OF EDUCATION STUDIES  
SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH  
INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION  
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)  
FIRST YEAR, END-OF-SECOND SEMESTER EXAMINATION, SEPT./OCT. 2023

3<sup>RD</sup> OCTOBER 2023                      INTEGRATED PEST MANAGEMENT                      3:30 PM – 5:00 PM

SECTION B  
[40 MARKS]

Answer any TWO questions from this Section.  
Please, note that if you answer more than two questions, only the first two will be marked.

1.
  - a. What is pesticide? (3 marks)
  - b. Differentiate between acute toxicity and chronic toxicity of pesticide. (4 marks)
  - c. State **three** effects of pesticide toxicity. (3 marks)
  - d. Name and explain briefly **three** major ways by which pesticides can be grouped. (10 marks)
  
2. Cultural control practices address the manner in which plants are cultivated and are directed at reducing and avoiding pest problems. Explain how the following cultural control practices can be adopted to manage pest. (20 marks)
  - a. Site Selection
  - b. Sanitation
  - c. Crop rotation
  - d. Intercropping
  - e. Mulching

3.

- a. Explain how the following factors affects disease development **(15 marks)**
- i. Host
  - ii. Pathogen
  - iii. Environment
- b. List an example of an insect pest that causes damage to the following crops. **(5 marks)**
- i. Cassava
  - ii. Cowpea
  - iii. Tomatoes
  - iv. Citrus
  - v. Cocoa

4.

- a. What is IPM? **(5 marks)**
- b. Explain the following principles of pest control **(15 marks)**
- i. Prevention
  - ii. Suppression
  - iii. Eradication