



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



END OF SECOND SEMESTER EXAMINATIONS, OCTOBER, 2024

LEVEL 300

COURSE CODE: JBA 361

COURSE TITLE: ASSESSMENT TECHNIQUES IN AGRICULTURE

TIME ALLOWED: 2 HRS

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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 will need manuscript sheets for this paper.
- 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.

Q1

- a. State five (5) characteristics of standardized achievement tests. (10 marks)
- b. Briefly explain the following types of assessment. (2 marks)
  - i. Diagnostic assessment. (2 marks)
  - ii. Formative assessment. (2 marks)
  - iii. Summative assessment. (4 marks)
- c. Differentiate between measurement and evaluation. (4 marks)

Q2

- a. Briefly explain the **three (3)** forms of assessment. (9 marks)
- b. What is the distinction between validity and reliability of agricultural tests. (4 marks)
- c. State the **four (4)** basic components of assessment. (4 marks)
- d. Write **three (3)** functions of diagnostic test. (3 marks)

Q3

- a. State and explain **four (4)** features of school-based assessment. (12 marks)
- b. State **four (4)** limitations to essay type test. (8 marks)

Q4

- a. A JHS Agricultural Science teacher of Tsito D/A basic School has developed a test item on dehorning bulls. The teacher wants to test the construct validity of his test so he compares the test scores to that of a national standard test on dehorning and the test scores of an unrelated social studies test scores by his students. The test scores are as follows;

Serial Number of students	New test Scores on dehorning in farm animals (x)	National Standardized test scores on dehorning in farm animals (y)	Unrelated Social Studies test scores (v)
1	15	14	10
2	17	18	9
3	18	19	7
4	12	13	9
5	18	17	10
6	17	17	8
7	16	15	11
8	17	19	5
9	18	21	4
10.	20	19	11

- i. Calculate both the convergent and discriminant correlation co-efficient. (20 marks)

Q5

- a. Briefly explain the following; (4 marks)
- i. Criterion validity (4 marks)
  - ii. Concurrent validity (4 marks)
  - iii. Predictive validity (6 marks)
- b. State **three (3)** factors affecting validity. (2 marks)
- c. What is assessment?



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