



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



END OF SECOND SEMESTER EXAMINATIONS, OCTOBER, 2024

LEVEL: 400

COURSE CODE: JBA482

COURSE TITLE: AGRICULTURAL PROJECT WORK

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 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) Discuss **five (5)** benefits of educational action research to educational sector of Ghana. (10 marks)
- (b) Explain **two (2)** relevance of replication in field experimentation. (4 marks)
- (c) Differentiate between a block and an experiment in conducting research. (4 marks)
- (d) What is completely randomized design? (2 marks)

Q2

- (a) State and explain **five (5)** concepts of educational action research. (10 marks)
- (b) Distinguish between probability and non-probability sampling. (4 marks)
- (c) What is randomization in field experimentation? (2 marks)
- (d) What is experimental design? (2 marks)
- (e) Provide **two (2)** examples each of probability and non-probability sampling. (2 marks)

Q3

- (a) Discuss **five (5)** importance of randomization in research. (10 marks)
- (b) List **five (5)** conditions underlie number of replications in field experiment. (5 marks)
- (c) Differentiate between limitations and delimitations in conducting research. (4 marks)
- (d) State **two (2)** sources of variation in completely randomized design. (1 mark)

Q4

- (a) Briefly explain the following types of educational action research:
 - (i) Participatory Action Research. (3 marks)
 - (ii) Case Study Action Research. (3 marks)
 - (iii) Experimental Action Research. (3 marks)
- (b) Mention **three (3)** sources of obtaining a research problem. (3 marks)
- (c) List **four (4)** components of chapter one of a research write-up. (4 marks)
- (d) What is the difference between qualitative and quantitative research? (4 marks)

Q5

- (a) Explain **five (5)** weaknesses of completely randomized design. (10 marks)
- (b) What is the difference between accessible population and target population? (4 marks)
- (c) State **four (4)** principles of sampling. (4 marks)
- (d) Define population and sample. (2 marks)



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