



FACULTY	FACULTY OF EDUCATION		
DEPARTMENT	INTERMEDIATE AND VOCATIONAL TRAINING		
SUBJECT	AGRICULTURE EDUCATION 2 B		
SUBJECT CODE	E3532IA		
DATE	NOVEMBER 2024		
DURATION	3 HOURS	MARKS	100

EXAMINATION: SECOND OPPORTUNITY

EXAMINER: MR FS Kasale and MR S Asuquo

MODERATOR: Prof.T.H. KALINDA

INSTRUCTIONS

1. Read the instruction and understand the question carefully.
2. There are 2 pages in this question paper including the cover page
3. They are 9 questions in this question paper, answer all in the examination book provided.
4. Align the numbering of your answers with the format presented in the question paper
5. Pay attention to the use of language and spellings.

1. Outline four Categories of the effects of residual over use of artificial fertilizers. Provide two example in each category (12)
2. 2.1 List and explain the 5 key process which are involved in the nitrogen cycle (20)
2.2 Indicate and explain 3 ways how understanding the nitrogen cycle inform sustainable agricultural practices? (9)
3. Discuss the various techniques used by farmers to improve sandy and clay soil (16)
4. Indicate and explain 5 methods how you can regulate soil pH in the school farm (9)
5. How can you explain the primary differences between erosion and leaching? (4)
6. Distinguish among the 3 types of drainage systems that a farmer can use in different farming crop enterprises. (9)
7. What is the meaning of the word “eluviation”? (1)
8. Explain the difference between a syllabus and a scheme of work? (8)
9. Discuss the importance of hands-on materials (e.g., soil samples, plant specimens) in teaching agriculture. (12)

Total: [100]

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