

**SPECIFY TYPE OF  
EXAMINATION**

**FIRST ATTEMPT**   
**FIRST RESIT**   
**SECOND RESIT**   
**RE-TAKE**



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE**  
**IN AGRICULTURAL EXTENSION AND EDUCATION**  
**2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER 2020/2021 ACADEMIC YEAR**  
**SIAYA CAMPUS**

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**COURSE CODE: AEB 3204**

**COURSE TITLE: SPECIAL METHODS OF TEACHING AGRICULTURE**

**DATE:**

**STREAM: BSC (AGED & EXT.)**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer ALL questions in Section A and B and ANY other TWO questions in Section C**
- 2. Tick the most correct alternative in Section A**
- 3. Answers to Questions in Section B and C must be written in the spaces provided on the question paper.**
- 4. Candidates must ensure they submit their work by clicking “finish and submit attempt” button at the end.**

**SECTION A: 30 Marks (Each question carries 1 mark)**

**Answer ALL questions from this section.**

1. Which one of the following is not a personal quality of an Agriculture teacher?
  - A. Farming experience
  - B. Applying agriculture knowledge to solve problems
  - C. Rural mindedness
  - D. Correct attitude.
2. The following factors contributed to positive impact of Agricultural Education after independence except.
  - A. Curricula that focused on farmers' problems
  - B. Resource support of Agricultural education by government in partnership with the private sector
  - C. Government investment in the Agricultural sector
  - D. The colonial demands on the agriculture needs.
3. Which of the following is not among the goals of Agricultural education in Kenya?
  - A. That agriculture students should acquire certain manuals useful in solving problems
  - B. That agriculture students should come to know the fundamental facts and principles of Agriculture
  - C. Science students should possess the abilities and skills needed to engage in Agriculture
  - D. That agriculture students should understand the practical nature of Agriculture
4. --- is hypothesis that concur with the observed results.
  - A. Theory
  - B. Law
  - C. Fact
  - D. Concept
5. Planning in teaching agriculture encompasses the following aspects except.
  - A. What to achieve
  - B. How to achieve
  - C. How to place learners into different learning levels

- D. How to tell what has been achieved
6. ----- Is a document that prescribes what is to be taught in a particular subject of the curriculum.
- A. Records of work covered
  - B. Schemes of work
  - C. Syllabus
  - D. Lesson plan
7. In drawing up a schemes of work from a syllabus the following factors should be borne in mind except.
- A. Need for logical sequences
  - B. Age
  - C. Amount of time required by each topic
  - D. None of the above.
8. Which of the following statements is an example of Antecedents aspect of evaluation?
- A. Actual classroom teaching
  - B. Methods of Assessment
  - C. Academic achievements
  - D. Curriculum objectives
9. ---- Is a succinct statement of each major technical term to serve as a revision material for student in Agriculture text books.
- A. Glossary
  - B. Index
  - C. Illustrations
  - D. Cross referencing
10. In multi –choice items the correct answer is always called?
- A. Key
  - B. Destructor
  - C. Negative
  - D. Options
11. The extent to which a test adequately covers the syllabus to be tested is called
- A. Face validity
  - Predictive validity
  - C. Criterion validity
  - D. Content validity

12. Which of the following statements best describes Formative Evaluation?
- A. Takes place before instruction to determine the starting point on an instructional programme.
  - B. Assessment that takes place at the end of the course.
  - C. Are those techniques of formal and informal nature that are used during instruction
  - D. None of the above
13. ----- Is not a resource for teaching Biology.
- A. Text book
  - B. Chart
  - C. Apparatus
  - D. Green house
14. Solid models are mainly used to
- A. Study external features
  - B. reveal internal structure
  - C. Show the function of a particular part
  - D. Show scaled presentation.
15. Which of the following statements is not a component of instructional objective?
- A. Performance component
  - B. Utility component
  - C. Conditional component
  - D. Criterion component
16. Which of the following is not a characteristics of expository teaching?
- A. Predominance of teacher talk
  - B. Teaching is by giving facts
  - C. Teachers role is to offer guidance
  - D. Student participation is learning is in form of listening and asking questions.
17. Below are factors considered in lesson planning except.
- A. Schemes of work
  - B. Content
  - C. Number of students in class

- D. Safety precautions for practical lessons
18. The school farm should act as a model farm to the local community. Below are possibilities of things the local community can learn from the school farm except.
- A. Gain farm knowledge from demonstration plot
  - B. Source of employment for the community
  - C. Field trips for the farmers.
  - D. Gain breeding materials from the school farm.
19. A method of teaching which involve an oral presentation of organized ideas and thoughts by a speaker is called?
- A. Demonstration method
  - B. Deductive method
  - C. Lecture method
  - D. Demonstration method
20. Who was the mentor of project method of teaching?
- A. Paschal Leone
  - B. Dorner
  - C. Oraifo polypa
  - D. John Dewey
21. Which one of the following is not a characteristic feature of an ideal school farm?
- A. Source of income to the school
  - B. Classroom instruction is completed
  - C. Supervised study
  - D. Possibilities of crop rotation
22. When preparing charts for teaching, the following factors are considered except.
- A. Information should not be overcrowded.
  - B. Cost of the materials to be used
  - C. Use of appropriate colours.
  - D. Texts or writings should be minimal
23. Which of the following is not a factor considered during site selection in the school farm?
- A. Laying out or division of land into plots.
  - B. Fencing to check domestic animals.

- C. Accessible to the community to encourage interest.
  - D. Sloping ground should be avoided due to erosion problems.
24. "Agriculture is defined as....." This type of item test is called?
- A. Essay question
  - B. Completion test
  - C. Multiple – choice item
  - D. Quantitative question
25. From the blooms taxonomy, which action verbs below can be used to set items at the knowledge level.
- A. Critique
  - B. Determine
  - C. Select
  - D. Judge
26. Which of the following is a skill used in classroom management?
- A. Call pupils by name
  - B. Makes norms of classroom behavior
  - C. Clarity of direction
  - D. Repeating and rephrasing
27. Demonstration teaching method is best used in the following except.
- A. Teaching manipulative skills
  - B. When classifying meaning of concepts
  - C. Developing understanding
  - D. Securing the acceptance of new and better ways of doing things
28. Lesson introduction can take any of the forms except.
- A. Inform of inquiry oriented questions.
  - B. Review of previous lesson
  - C. Asking the learners to perform a skill
  - D. through use Audio – visual aids

29. Goals are general expression of intent which provide Scope, instructional tactics and strategies for learning activities. Which one of the following verbs below is not used to determine goals in Agricultural education?
- A. Know
  - B. Understand
  - C. state
  - D. Appreciate
30. Agriculture teachers needs to prepare lesson plan for the following reasons except.
- A. To allocate time effectively
  - B. Systematically present fact
  - C. Prevent errors in teaching.
  - D. To enable the teacher think what he proposes to teach and how he will teach it.

**SECTION B: 20 Marks**

**Answer ALL questions from this section.**

31. Give TWO importance of the following tools for instruction to an agriculture teacher

(i) Syllabus (2marks)

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(ii) Scheme of work (2marks)

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32. Explain FIVE factors affecting validity of a test. (5marks)





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35. Highlight **FOUR** general precautions necessary to safeguard against Safety during Agriculture practical lesson. (4marks)

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**SECTION C: 20 Marks**

**Answer ANY TWO questions from this section**

36. The school farm is an important resource in the teaching/learning of agriculture. Describe the **FIVE** sections of the school farm. (10marks)

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