

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
KYERWA DISTRICT COUNCIL
FORM FOUR JOINT MID TERM TEST- APRIL 2023
034-AGRICULTURAL SCIENCE

TIME.:2.HOURS.

SECTION A 15 MARKS

- **Answer all questions in the section.**

For each of the items i-x choose the correct answer from among the given alternatives and write its letter beside the items number in the answer sheet provided.:

i) Which of the following is an example of uncertainty in the farm business?

A. Theft B. Fire outbreak C. Accident D. Health of the farmer E. Price fluctuation. ()

ii) A tool that is used for marking points on metal surface before drilling is known as .:

A. Screw driver B. Centre punch C. Wire brush D. Driver E. Cold chisel ()

iii) Soil in areas with heavy rains are poor in fertility due to .:

A. High infiltration rates B. Leaching C. Soil PH D. High percolation rates E. Too much water ()

iv) The mating of closely related individuals in animals breeding is .:

A. Out crossing B. Out breeding C. Up grading D. In breeding E. Cross breeding ()

v) The management practice in sheep that allows mating to take place with little difficulty is known as :

A. Castration B. Shearing C. Dehorning D. Docking E. Deworming ()

vi) When a balance sheet of a given firm shows that liabilities exceeds assets ,It means that the particular firm is :

A. Solvent B. Profitable C. Economical D. Insolvent E. Solvent and Insolvent ()

vii) The practise of castrating a male chicken is known as :

A. Breeding B. Plucking C. Debeaking D. Deworming E. Caponization ()

viii) Identify which is not a horticultural crop among the following crops :

A. Banana B. Sunflower C. Guava D. Cucumber E. Maize ()

ix) What institution among the following institutions is responsible for high quality agricultural seeds to be available to farmers at affordable price?

A. TARI B. ASA C. TPRI D. NFRA E. LITA ()

x) Which factor among the following factor affecting the length of marketing channels describing fresh produce to reach final consumer immediately after they have been harvested to avoid loss from spoilage
∴

A. Availability of infrastructure B. Terms of doing business C. Nature of the produce D. Legal requirements E. Consumer 's preference. ()

2. Match the items in list A with response in list B by writing a letter of the most correct response beside the items number in the answer sheet provided.∴

LIST A	LIST B
i) Farmers grow crops for food ,sale or both.()	A. Livestock farming
ii) A system in which farmers clears and cultivates a piece of land and grows crops for a short period.()	B. Shifting cultivation
iii) Farmers primarily depend on livestock production ()	C. Arable farming
iv) Involves growing of crops as well as raising of livestock ()	D. Commercial farming
v) Production system in which crops and or livestock are raised for selling to make profit ()	E. Mixed farming F. Subsistence farming G. Mixed cropping

SECTION B. 70 MARKS.

3. Mr. Karimu is a poultry keeper. He always release the chicken out of their house and allow them moving around for searching food and water and locked them in house during night .

a) What type of rearing system was practiced by Mr. Karimu?

b) Account for the four advantages and disadvantages of the system mentioned in " a " above.

4. a) Soil fertility is an important factor that determines success or failure in crops production .Discuss the five means of maintaining it for optimum crop production.

b) Mr. Kiketero was thinking of applying urea fertilizers on the piece of plot, but he was not aware of the ways in which soil lose its fertility. Use five points teach him those ways by listing them.

5. a) Define the term mulching.

ii) Give four reasons to why farmers prefer mulching practice in crop production.

b)i)What is crop rotation?

ii)List down any four principles of crop rotation.

6.a)Name two classes of livestock basing on their digestive systems.

b)Give name of young animal and the process of giving birth in the following farm animals.

TYPE OF ANIMAL	YOUNG	GIVING BIRTH
EWE		
SOW		
GOAT		
HEN		
CATTLE		

7.With one example for each ,mention any ten (10)classes of crops grown in Tanzania.

8.Define the following terms.

i)Break even point.

ii)Equilibrium point.

iii)Substitute goods.

iv)Supply.

SECTION C 15 MARKS.

9.Female animals on heat can be mated either naturally or artificially.Use six points to convince farmers to use artificial insemination for commercial livestock farming.