

FARM STRUCTURES

KCSE QUICK REVISION

*Compilation of Possible Questions in Agriculture Likely to be
Examined in KCSE.*

*A Special Analysis of Prediction Questions that may be Tested in
KCSE from this Topic in Form 3.*

AGRICULTURE

SERIES 1

For Marking Schemes
Mr Isaboke 0746 222 000

MWALIMU CONSULTANCY

FARM STRUCTURES

This topic entails the following:

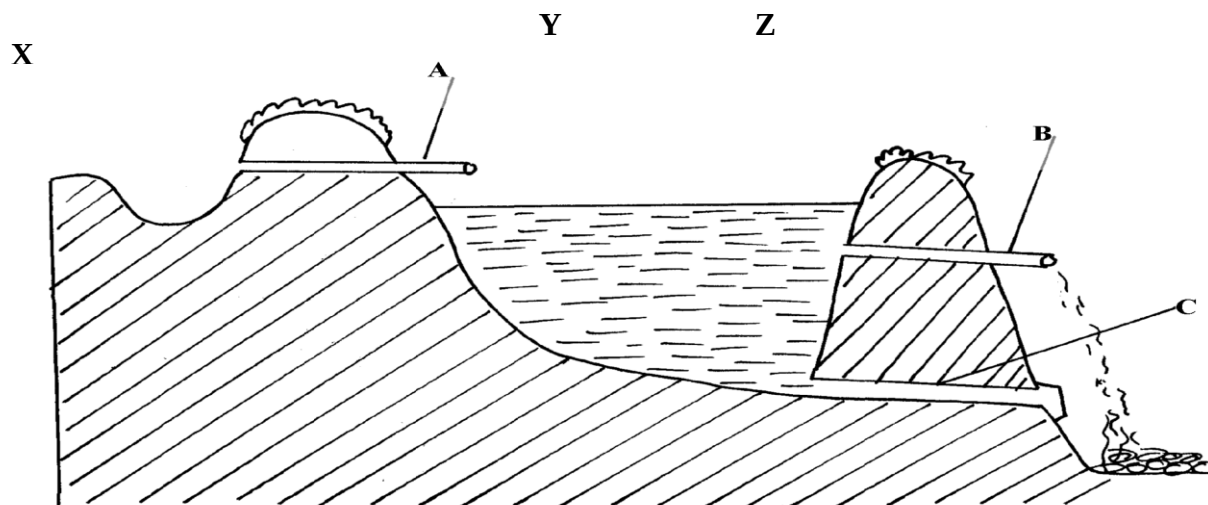
- ✓ Description of parts of a building
- ✓ Identification of materials for construction
- ✓ Description of various farm structures and their uses
- ✓ Construction and maintenance of farm structures.

The following relevant questions and their answers in this topic will greatly motivate and help the user to comprehend and understand the required concepts and practices:

QUESTIONS

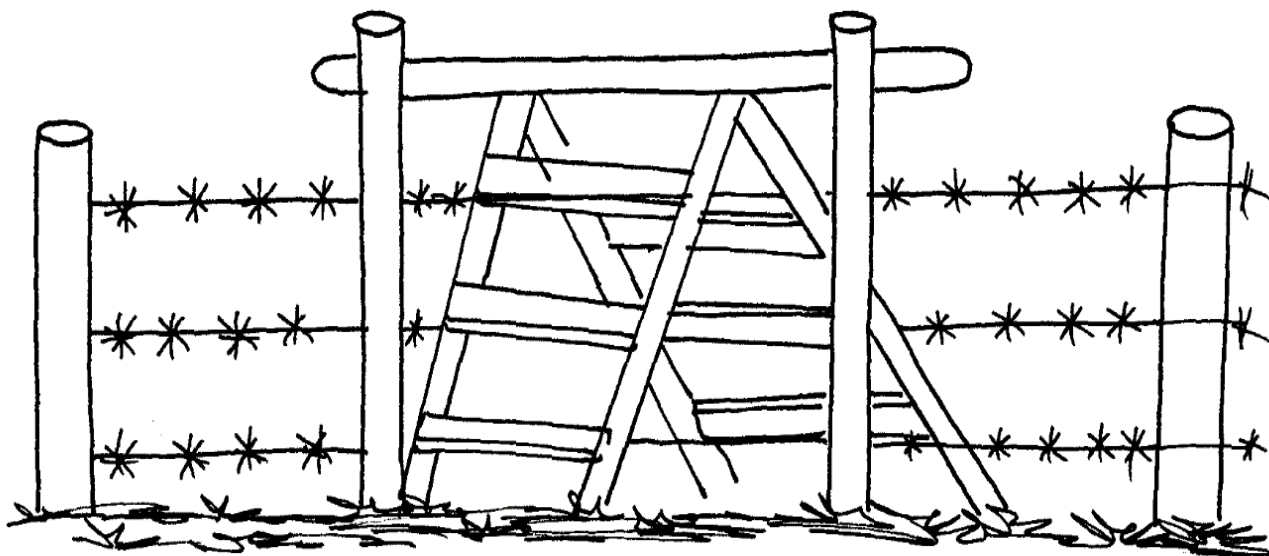
1. Mention **four** disadvantages of using steel materials for construction of farm structures
2. Give **two** reasons for placing a polythene sheet on a foundation of farm buildings
3. What is “**calf crop**” in beef production?
4. a) Outline the procedure in construction of a barbed wire fence
b) List any **four** wood preservatives
c) Give **four** factors that will determine the choice of farm building materials
5. i) Give **four** factors considered when citing a fish pond
ii) Give **four** features of a good laying nest
- 6 State **two** uses of a footbath in cattle dip
- 7 a) What is a green house
b) Name **four** materials used in green house construction
c) Give **four** maintenance practices carried out on a green house
d) Explain the importance of maintaining farm structures
- 8 Give **two** disadvantages of a barbed wire fence when used in paddocking
- 9 The diagram below illustrates a cross-section of a fish pond. Study it carefully and

answer the questions that follow:-

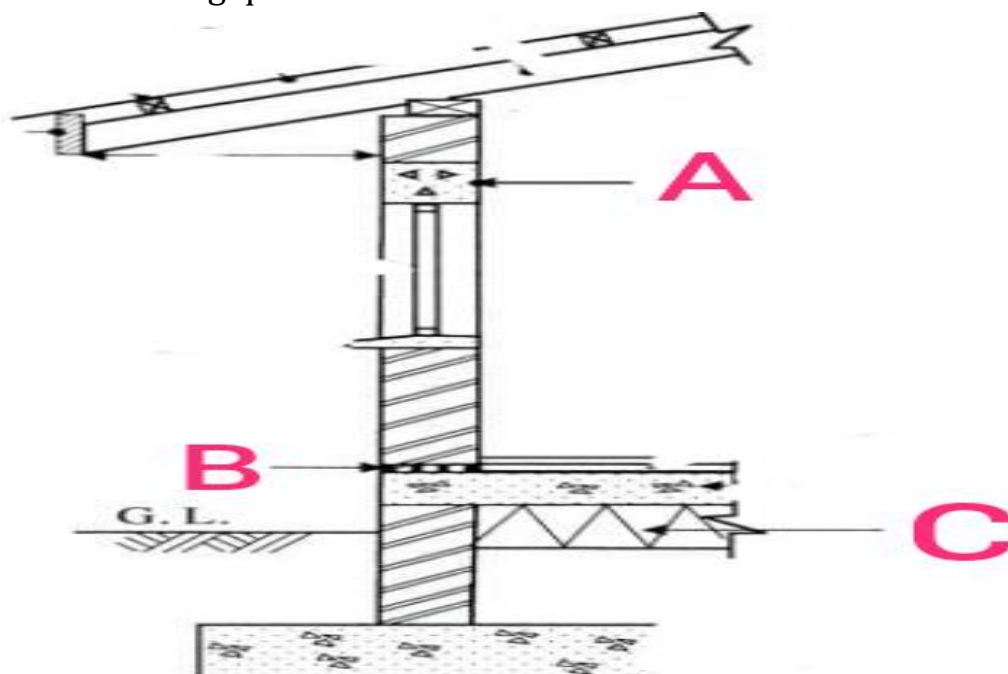


- (a) Identify the parts marked **A**, **B**, **C** and **C**
- (b) On the diagram the points marked **X**, **Y** and **Z** are possible sites where fish feeding can be done. Which is the most appropriate point for feeding?
- (c) Give **two** reasons why the floor of the pond should be covered with lime 14 days before filling it with water
- (d) Why should part marked **B** be screened?
- (e) State **three** maintenance practices carried out on the structure

10. Study the farm structure below illustrating a pass:-



- (a) Identify the type of pass illustrated above
 - (b) Distinguish between a pass and a gate
 - (c) Name **one** type of live fence
- 11** State **four** requirements of a good maize store
- 12** State **three** factors that determine the depth and size of foundation in a farm building
- 13** (a) Explain the uses of various hand tools in the construction of a poultry house
(b) Describe the procedure of erecting wooden rail fence
(c) Explain various factors considered when choosing the construction materials for farm building
- 14** State **four** features of a good calf pen
- 15** State **four** uses of a fence
- 16** Below is a diagram of a cross section of a farm structure. Study it carefully and answer the following questions.



- (i) Identify the labeled parts **A**, **B**, and **C**
 - (ii) What is the importance of the part labeled **B** to the structure
- (b) (i) When making concrete blocks the ratio 1:3:5 may be used. What do these figures represent?

(ii) In a concrete mixture 1:3:5, twenty four cubic metres of sand were recommended to be used in putting up of a foundation of a building. Find the volume of the other two

17 (a) Explain the maintenance practices of a fish pond

(b) Give **four** ways of controlling fish predators in a fish pond

18 Mention **four** reasons of treating timber before roofing farm buildings

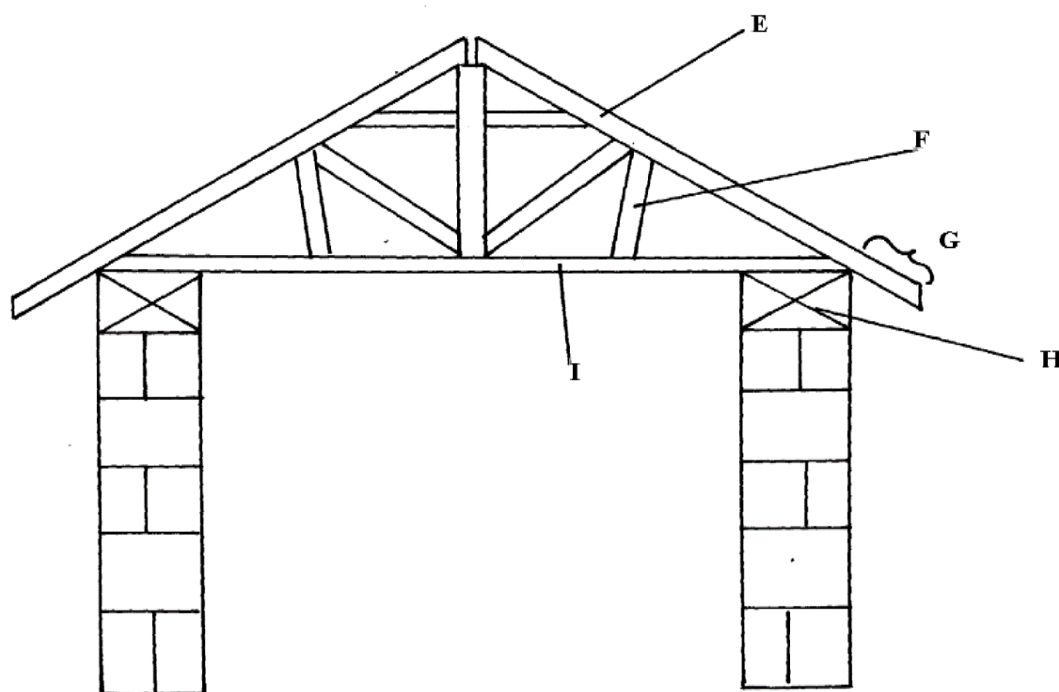
19 List **four** uses of crushing in the farm

20 a) Define the term **fence**

b) List various types of fences

c) Describe advantages of fences

21 Study the illustration of a farm structure below and answer the questions that follow

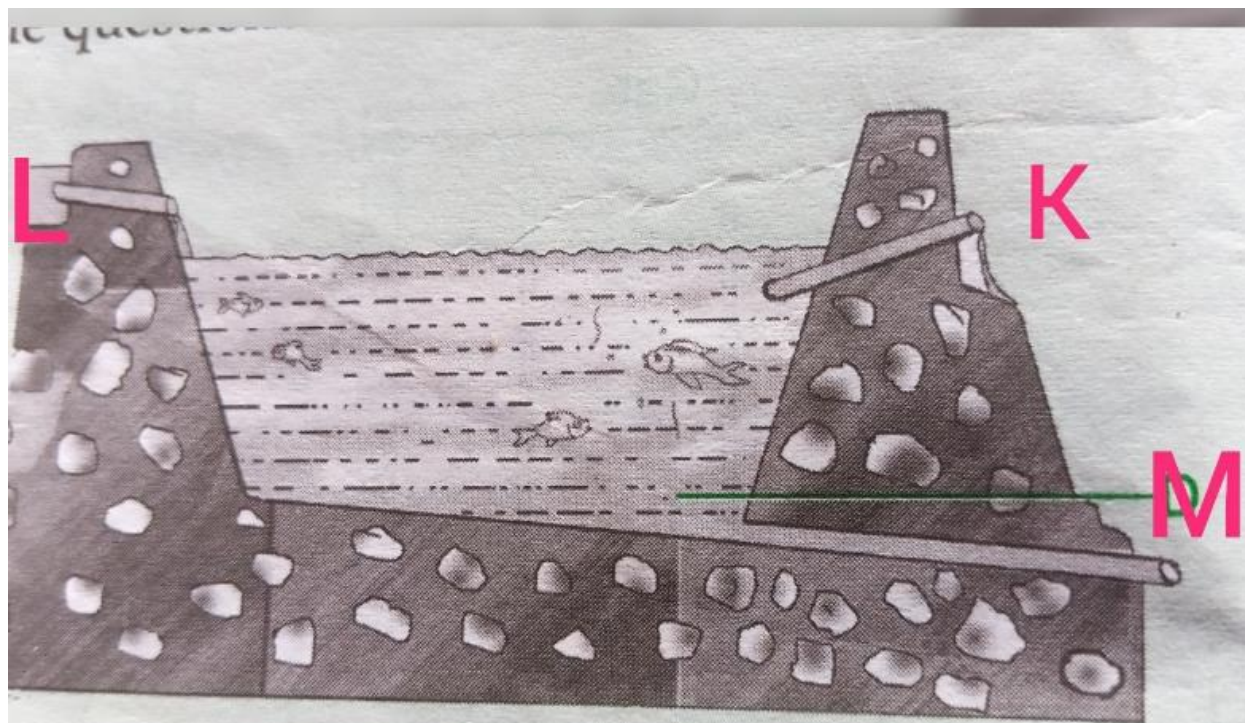


i) Name the parts labeled

ii) State the function of the parts labeled

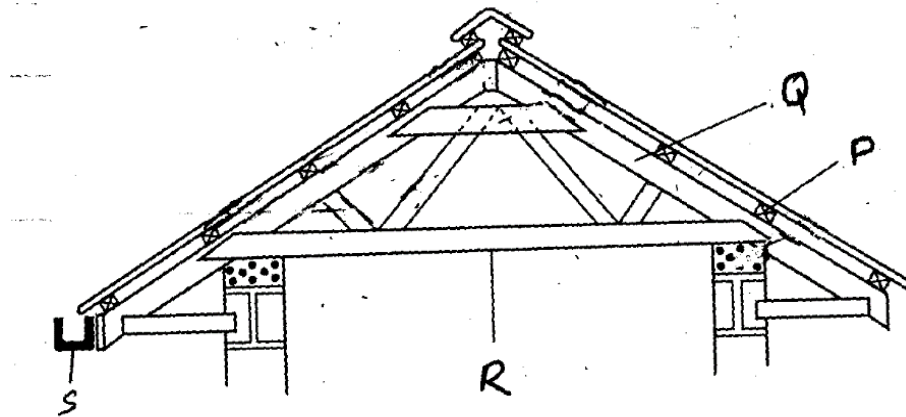
iii) Name **two** chemicals preservatives used to treat the wooden parts of the structure against insects and fungal damage

21. Below is a diagram of a fish pond, study it and answer the questions that follow

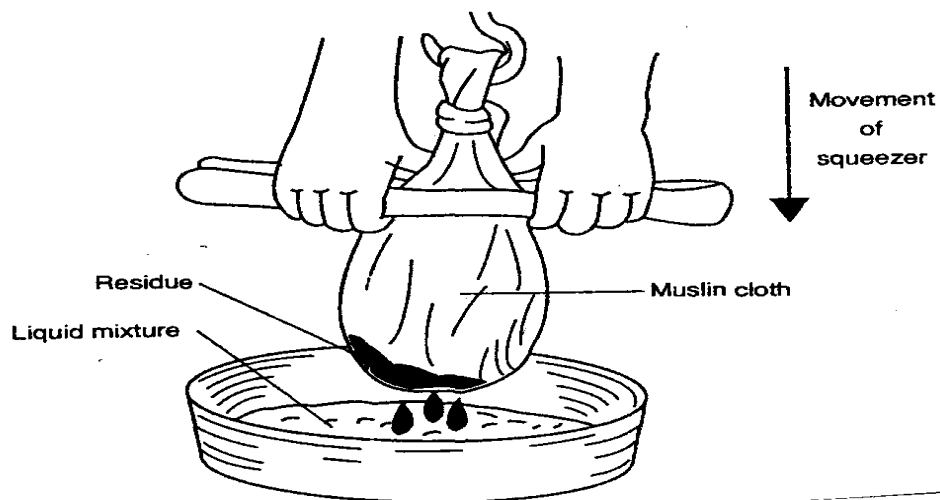


- i) Label the parts marked **K** and **L**
 - ii) Give a reason why part **M** is usually deeper than the rest of the pond
 - iii) State **three** maintenance practices carried out in the pond
22. a) Explain **five** factors to consider when siting a fish pond
b) Explain the measures used to control livestock diseases
23. State four factors which influence the selection of materials for constructing a dairy shed
24. a) State **five** maintenance practices of a mould board plough
b) Explain **five** structural and functional differences between the petrol and diesel engines
c) List **five** uses of farm fences
25. State **four** uses of farm buildings
26. List **four** structural requirements for proper housing of farm animal to maintain good health

27. The diagram below is part of a farm structure. Study it and then answer the questions that follow:

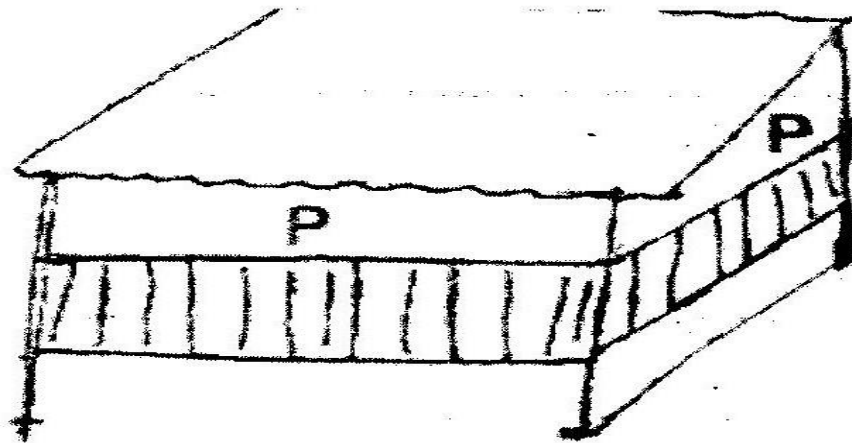


- (a) Name part of structure represented above
 - (b) Identify parts labeled **P**, **Q**, **R**, and **S**
 - (c) Give the functions of the part labeled **P** and **S**
28. The diagram below shows an activity of processing a farm product. Study it and answer the questions that follow:



- (a) Name the product being processed
- (b) Identify the method used in processing the product names in the diagram
- (c) Outline the procedure used when harvesting the product named in the diagram
- (d) List **two** factors that affect quality of the product processed in the diagram

- 31 (a) Describe **five** parts of a plunge dip
(b) Outline **six** uses of live fences on the farm
(c) Outline **four** factors that influence power output of drought animals
32. a) Explain the factors a farmer needs to consider before siting a farm structure on his farm
b) Outline the desirable features of a good grain store
c) Describe the uses of farm fences in promotion of agriculture
33. Name any **two** pests that attack timber used for construction in the farms
34. State **three** factors that may lead to dip wash being exhausted or weakened while in the dip tank
35. The diagram below represents a calf pen. Study it to answer the questions that follow.



- (i) How high should the floor be above the ground level?
(ii) Why should the floor of the calf pen be raised?
(iii) Why should the parts of the pen marked p be open?
(iv) State three factors that should be considered in sitting a calf pen?
- 36 State two advantages of using wood in the construction of farm buildings
37. Describe the construction of a rabbit hutch under the following sub-headings.
38. Give two reasons for treating timber to the used in construction of farm buildings.
39. State one advantage and one disadvantage of using barbed wire instead of plain wire for fencing paddocks.

- 40.** State two functions of ventilation in an animal house.
- 41.** a) One of the recommended ratio of mixing ingredients for making Concrete block is 1:3:4, Name ingredients represented by the numbers 1, 3 and 4 in the mixture.
- b)** If stronger concrete blocks were to be made, name the ingredient that would be increased.
- c)** State three properties of concrete that make it suitable for constructing farm buildings.
- d)** In addition to concrete, name three other materials that would be required to construct the floor of milking shed.
- 42.** State four features of a good maize granary.
- 43** State two reasons why maintenance of farm structures is important.
- 44.** a) State any four factors that would influence the sitting of a calf pen.
- b)** State four factors to consider when selecting materials for constructing a calf pen.
- c)** Give four maintenance practices that should be carried out on a permanent calf pen.
- 45.** Give two practices, other than use of preservatives, that can be carried out on wooden fencing posts to make them last long.
- 46.** State six features of an ideal calf pen.
- 47.** Outline any four maintenance practices that should be carried out in a deep litter poultry house.
- 48.** Give two advantages of concrete blocks over timber as building materials.
- 49.** a) State the uses of fences in farms.
- b)** What factors would be considered when sitting a farm structures.
- 50.** a) State four advantages of a hedge in a farm.
- 51.** State four advantages of using a Kenya Top Bar Hive over log hive.
- 52.** Outline two routine maintenance practices carried out on water tanks.
- 53.** a) Explain the uses of various hand tools in the construction a Kenya Top Bar Hive
- b)** Describe the procedure of erecting wooden posts for fencing.
- 54.** State three disadvantages of using steel in construction of farm buildings.

THE END

***FOR MARKING
SCHEMES/ANSWERS***

CONTACT MR ISABOKE

0746-222-000

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- ✓ **ONLINE TUITION**
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- ✓ **TOP SCHOOLS MOCKS**
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CALL/TEXT 0746 222 000

mwalimuconsultancy@gmail.com

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