

GATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.

FORM 2 AGRICULTURE. END OF TERM 1 EXAMINATION. 2016.

NAME: _____ CLASS: _____ ADM: _____

1a) What do the figures 18: 46: 10 on a fertilizer bag represent. ? (3 mks)

b) Calculate the quantity of filler materials in the fertilizer in (a) above. (2mks)

2. Describe the properties of Nitrogenous fertilizers. (12 mks)

i)

ii)

iii)

iv)

v)

vi)

3. List four ways of applying fertilizers in crops. (8mks)

i)

ii)

iii)

iv)

4. State three function of calcium in plant growth and development.

[5mks]

i)

ii)

iii)

iv)

5. A young farmers club was adviced to apply a complete fertilizer 20: 20: 10 in a maize plot measuring 20m by 10m at a rate of 200kg per hectare.

a) What is meant by the term complete fertilizer? (2mks)

b) State the percentage of K₂O in the complete fertilizer. (2mks)

c) Calculate the amount of fertilizer the club would require for the plot (Show your working) (5mks)

6. Name the deficient nutrients element in plants showing the following symptoms.

Stunted growth, die back of plant tips, leaves roll up, and chlorosis along margins of young leaves. (1mk)

b) Yellowing of leaves appears first on lower leaves, leaves turn brown and fall prematurely, stunted growth. (1mk)

c) Leaf curling, yellowing of leaves, tips and edges of leaves are scorched and have small mottles. (1mks)

d) Purpling ^{of} leaves, stunted growth, slender stalks and lateral stalks and lateral buds remain dormant. (1mk)

7. Outline 10 uses of farm records. (20mks)

i)

ii)

iii)

iv)

v)

vi)

vii)

viii)

ix)

x)

8. State two conditions under which opportunity cost is zero in a farming enterprise. (4mks)

i)

ii)

9. Name two types of inventory records that a farmer can keep. (4mks)

i)

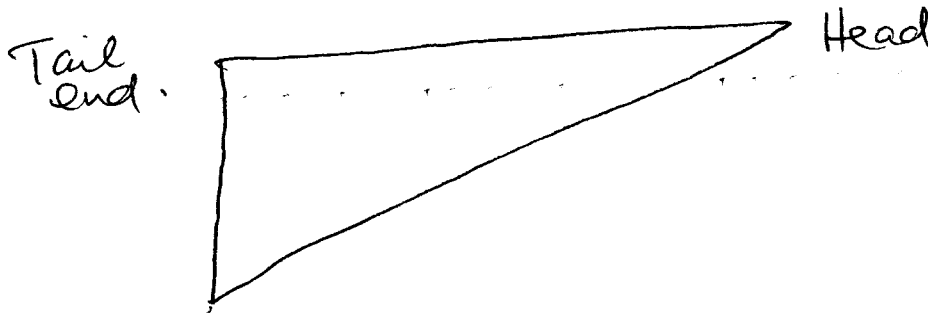
ii)

10. Name two breeds of dairy cattle that originated from the channel islands. (4mks)

i)

ii)

11. The diagram below illustrates the general shape of a cattle breed. Study it and answer the questions that follow.



a) Identify the type of breed illustrated by the above shape. (2mks)

b) Give an example of a breed in (a) above. (2mks)

- c) State four physical characteristics of the type of breed identified in (a) above. (8mks
- i)
- ii)
- iii)
- iv)

12. Apart from hides and skins, name the raw materials obtained from each of the following livestock for the textile industry. (6mks

- a) Goats
- b) Sheep
- c) Rabbit

13. Give the appropriate term that refers to each of the following. (6mks

- a) Castrated chicken
- b) Young one of a rabbit
- c) Mature male goats.

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