

**PRINCIPLES AND** **PRACTICES OF AGRICULTURE**

PAPER ONE S5 END OF TERM ONE EXAM 2024

DURATION 2HOURS

**INSTRUCTION ATTEMPT ALL QUESTIONS.**

1 When a foreign body attacks a cell ,in response the cell produces

A Antigens .

B Antibodies .

C Venom.

D Genome.

2 The design of a farm machinery for farm use may be greatly influenced by

A Skills needed to operate .

B Soil conditions.

C Type of work .

D Technology available.

3 Which of the following is an example of an uncertainty in farming

A Pests and diseases .

B Breach of contract.

C weather changes.

D health of the farmer.

4 Use of wood in construction of farm structures is good because

A Wood is readily available

B wood is cheap

C is highly durable

D Resistant to pests

5 A decision to take on a particular farm enterprise can be influenced by

A Level of investment in the enterprise .

B Availability of market for the products .

C Skills and knowledge of the farmer .

D Interest of the farmer .

6 Which of the following least influences nutrient retention of in the soil.

A Cation exchange capacity of the soil

B Soil ph

C Soil depth

D Soil organic matter content.

7 which of the following event occurs in the region one of the production function .

A Marginal product is greater than average product.

B Marginal product is equal to average product.

C Ends when the marginal product starts decreasing .

D TTP is increasing at a decreasing rate.

8 Injecting a lactating cow with Oestrogen hormone will help to

A Stimulate milk hold up.

B Increase milk letdown .

C Stimulates heat.

D Increase gestation period.

9 Which of the following farming practices does not preserve soil structure

A Application of organic matter.

B Application of agricultural lime.

C Adding excess water to hold particles.

D increasing the population of living organism.

10 Which of the following factors of soil formation largely determine the thickness of the soil.

A Living organisms.

B Climate.

C parent rock materials.

D Topography.

11 Cattle that belongs to the Bos Taurus group have the following characteristics except

A Thick coat.

B Prominent hair follicles.

C Absence of a hump.

D prominent milk veins.

12 The two hormones responsible for milk letdown are

A Oestrogen and progesterone .

B Oestrogen and Andrenalin.

C Leutinizing hormone and Relaxin.

D Oxytocin and Prolactin.

13 In agricultural production ,interest on the farmers own capital is termed as

A Overhead cost.

B Implicit cost.

C Explicit cost.

D Opportunity cost.

14 In production theory demand for land as a production factor is referred to as derived demand because

A Land can produce even when other factors are limited.

B Its productivity declines with its use.

C it is free natural resource .

D Demand for it depends on what it can produce .

15 The main reason for placing a footbath at the entry of a poultry house is to

A Clean the feet the farmers.

B Reduce disease spread in chicks.

C Control introduction of diseases.

D Maintain cleanliness in the poultry house.

16 the demand for agricultural; products is usually described as inelastic because

A their demand does not change

B they are consumed in large quantities.

C their demand fluctuates according to season.

D their demand doesn’t change correspondingly with price.

17 digestion of protein in ruminant begins in the ?

A Abomasum

B Rumen

C Reticulum

D Omasum

18 Which one of the following is untrue about indigenous tropical cattle breeds.

A having the ability to survive on poor pastures.

B possess thin skin layer.

C Have more sweat glands.

D Are generally humpless.

19. Which of the following is the function of the frog in an ox mouldboard plough?

A provides a point of attachment to other components.

B. Provides point of attachment for the landside, mouldboard and share.

C. it stabilize the plough.

D. ensues straight line ploughing.

20 The main factor determining the efficiency of labour on the farm is,

A climate

B Rate of payment.

C organization

D Education.

**SECTION B**

21 Account for the variation in the population of living organisms in the soil .(5marks).

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(b) Outline the agricultural role of bacteria (5marks).

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22(a) Outline the measures taken by the government of Uganda to improve livestock production (6marks).

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(b) Give four pre-requisites to the introduction of exotic cattle. (4marks)

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23 (a) Explain the factors considered when siting a beehive (05mark)

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(b) What are the causes of swarming in bees? (05marks)

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24(a) Explain the factors that determine the choice of drainage method to use. (05marks)

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(B ) What are the effects of draining farm land (5marks)

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25 (a) what factors determine power output from draft animals (5marks)

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(b)Outline eight factors limiting the use of animal power (4marks)

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© Give two reasons for training draft animals (2marks)

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26.(b) Outline measures that can be taken by government to encourage women participation in agriculture. (05mark)

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(b) Describe the advantages of urban and pre Urban farming in agriculture .(04marks)

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(c) Give main roles of agricultural research stations (06marks)

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