



EXAMINATIONS COUNCIL OF ESWATINI
Eswatini General Certificate of Secondary Education

AGRICULTURE

6882/01

Paper 1

Specimen Paper October/November 2024-2026

Additional Material: Calculator

1 hour

Candidates answer all questions: Multiple Choice

READ THESE INSTRUCTIONS FIRST

The answer sheet provided has your name, centre number and candidate number and it must be signed after completion of the paper.

This paper consists of **40** multiple choice questions. **Four** possible answers are given for each question. Choose the **best** answer and shade your choice in the box provided under the correct letter in soft pencil **HB** on the separate Answer Sheet provided.

Read all questions carefully.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.

Do not use staples, paper clips, glue or correction fluid.

EXAMPLE: 41. Which vegetable is classified as a leafy vegetable?

- A. beans
- B. beetroot
- C. lettuce
- D. onion

41	A <input type="radio"/>	B <input type="radio"/>	C <input checked="" type="radio"/>	D <input type="radio"/>
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For Examiner's Use	
Marks	

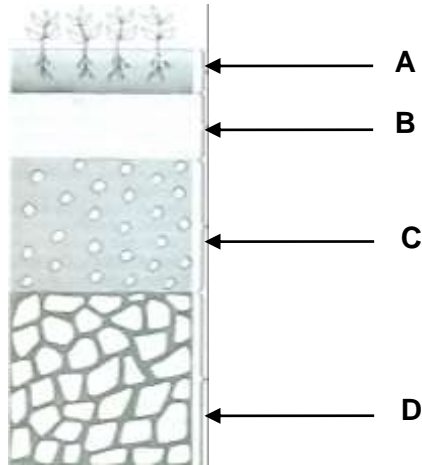
This document consists of **8** printed pages.

Answer **all** questions **(40 Marks)**

For each of the following questions, shade the correct answer on the grid provided.

- 1 Which agricultural farming system depends on low population density?
- A intensive farming
 - B modern farming
 - C organic farming
 - D shift cultivation
- 2 What is the impact of continuous cropping on soil?
- A decreased pest population
 - B decreased soil fertility
 - C increased soil fertility
 - D increased soil pH
- 3 Which term describes an individual using a rented farm?
- A a freeholder
 - B an occupant
 - C a tenant
 - D a tenure
- 4 Which conditions of supply and demand are likely to result in high prices?
- | supply | demand |
|---------------|---------------|
| A high | high |
| B high | low |
| C low | high |
| D low | low |
- 5 What should farmers provide to protect livestock in paddocks against high temperatures?
- A bedding
 - B light
 - C mulch
 - D shelter
- 6 Which of the following can lead to desertification?
- A burning of fossil fuels
 - B construction of roads
 - C deforestation
 - D pollution
- 7 Which of the following is a sustainable agriculture practice?
- A agroforestry
 - B irrigation
 - C monocropping
 - D pollution

- 8 Which horizon has the greatest accumulation of minerals and organic compounds?



- 9 What is a characteristic of a crumby soil structure?
- A large, blocked shape
 B loose individual particles
 C plate-like aggregates
 D small, rounded aggregates
- 10 Which compound is formed when bacteria in the root nodules of legumes convert atmospheric nitrogen?
- A calcium
 B nitrate
 C phosphorus
 D potassium
- 11 Which of the following is an organic source of phosphorus?
- A bone meal
 B compost
 C kelp meal
 D N P K
- 12 Which nutrient encourages green leaf formation?
- A magnesium
 B nitrogen
 C phosphorus
 D potassium
- 13 What characterises rill erosion?
- A deep wide channel
 B exposed plant roots
 C litter dams
 D shallow small channels

- 14 Which part of a bean seed contains stored food?
- A cotylédon
 - B plumule
 - C radicle
 - D testa
- 15 Which process is responsible for the movement of materials from the leaves to other parts of the plant?
- A active transport
 - B diffusion
 - C osmosis
 - D translocation
- 16 What is the order of land preparation activities?
- A clearing, stumping, ploughing
 - B ploughing, clearing, stumping
 - C stumping, clearing, ploughing
 - D stumping, ploughing, clearing
- 17 Which of the following is a pasture legume?
- A kikuyu grass
 - B lucerne
 - C panicum
 - D triffid weed
- 18 Which of the following plants is associated with reduction of grazing land?
- A kikuyu
 - B lucerne
 - C star grass
 - D triffid
- 19 In which part of the ruminant digestive system is gastric juice produced?
- A abomasum
 - B omasum
 - C reticulum
 - D rumen
- 20 Which reproductive organ produces testosterone?
- A epididymis
 - B penis
 - C seminal vesicles
 - D testes
- 21 Which part of the digestive system absorbs food?
- A colon
 - B ileum
 - C liver
 - D pancreas

22 Which types of organism digest cellulose in the rumen?

- A algae and bacteria
- B bacteria and fungi
- C bacteria and protozoa
- D bacteria and viruses

23 The diagram below shows the male reproductive system of a ruminant.

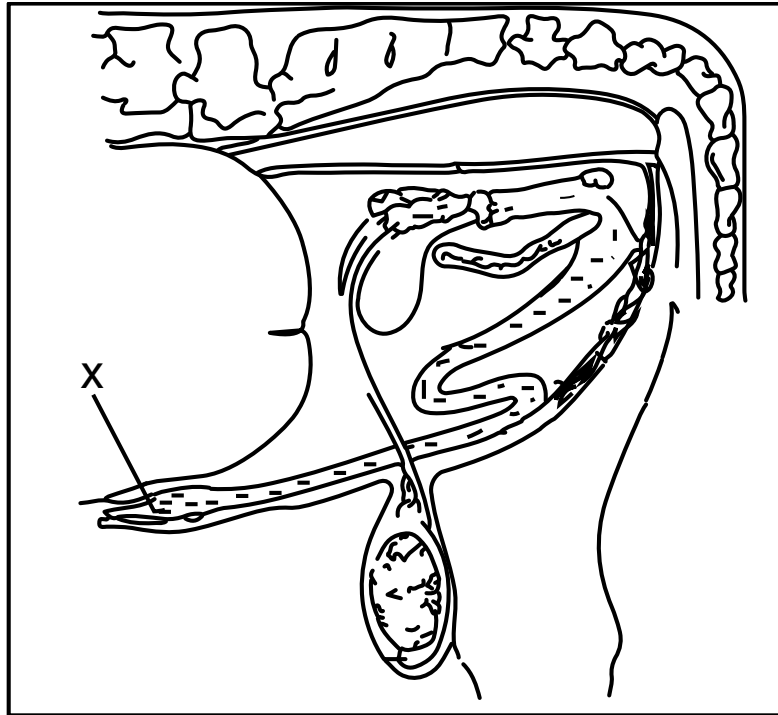


Fig. 10.1

What is the name of the fluid that is released by organ X during mating?

- A hormones
- B semen
- C sperm
- D testosterone

24 Which type of ration should be given to a dry cow?

- A balanced
- B concentrate
- C maintenance
- D production

25 Which immediate action should be taken when a broiler shows signs of ill-health.

- A inject antibiotics
- B isolate the broiler
- C provide clean feed
- D use a foot bath

- 26 How many birds can be kept on a 16 m² floor if each bird requires 0.2 m² of space?
- A 8
 - B 32
 - C 80
 - D 800
- 27 What is a permanent method of identification in livestock?
- A branding
 - B colour marking
 - C ear tagging
 - D neck chains
- 28 Which male reproductive part carries sperm to the urethra?
- A cowper's glands
 - B prostate glands
 - C seminal vesicles
 - D vas deferens
- 29 The diagram shows dairy animals feeding.



Fig. 3.1

Which type of grazing system is shown in **Fig 3.1**?

- A deferred
 - B rotational
 - C strip
 - D zero
- 30 What is stocking rate?
- A the number of breeding livestock in a region
 - B the number of hectares of land per livestock unit
 - C the number of livestock that can graze a piece of land
 - D the number of weaned livestock in a region

- 31 Which of the following is an external parasite?
- A blue tick
 - B hook worm
 - C liver fluke
 - D tape worm
- 32 Which list of diseases is notifiable?
- A brucellosis, mastitis
 - B coccidiosis, re water
 - C foot and mouth, mastitis
 - D foot and mouth, Newcastle
- 33 Which process is a disease control measure for imported livestock in Eswatini?
- A blood testing
 - B movement control
 - C quarantine
 - D vaccination
- 34 Which of the following can be used to control external parasites in livestock?
- A acaricide
 - B antiseptic
 - C disinfectant
 - D herbicide
- 35 Which tool is best used for cutting wooden building material to size?
- A axe
 - B panga
 - C saw
 - D slasher
- 36 What is the main purpose of a living fence around the farm?
- A acts as a wind break
 - B acts as a fire break
 - C controls soil erosion
 - D provides food for animals

37 The diagram below shows a barbed wire fence.

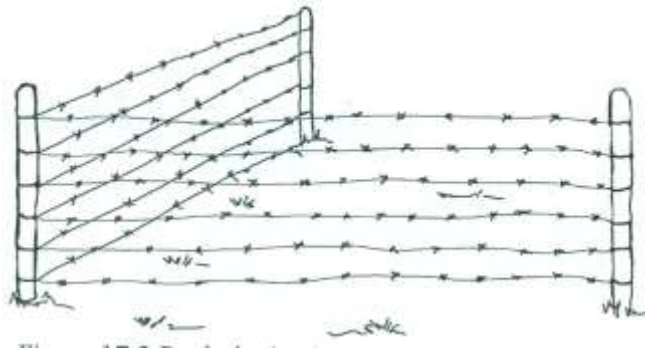


Fig. 37.1

Which of the following can be used to strengthen the fence?

- A droppers
- B gates
- C standards
- D struts

38 Which type of fence is ideal for cattle kraals and crushes?

- A chain link
- B chicken wire
- C post and barbed wire
- D post and rail

39 Which irrigation system would be most appropriate for sandy soils?

- A basin
- B drip
- C furrow
- D sprinkler

40 What is an advantage of an earth dam over storage tanks?

- A less maintenance needed
- B less prone to damage
- C less construction cost
- D water loss is very low

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