EXAMINATIONS COUNCIL OF ESWATINI
Eswatini General Certificate of Secondary Education

AGRICULTURE **6882/01**

Paper 1 **October/November 2025**

1 hour

Additional Material: Calculator

Candidates answer:
All **forty (40)** Multiple Choice Questions on the answer sheet provided.

READ THESE INSTRUCTIONS FIRST

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

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

Read all questions carefully
Answer **all** questions.

The number of marks is given in brackets [ ] at the end of each question or part of the question.

EXAMPLE: **41.** Which region of Eswatini is more suitable for sugar cane production?

A highveld
B middleveld
C lowveld
D lubombo

41	A	B	C	D
	○	○	●	○

This document consists of **9** printed pages and **3** blank pages.

1 Apart from adult male farmers which group provides the largest workforce in agriculture?

A children
B elderly
C women
D youth

2 What term is used to describe the herding and rearing of livestock without a home base?

A nomadic
B pastoral
C shifting
D unsettled

3 What could be a disadvantage of practising monoculture?

A farming skills are reduced
B pest control is easier
C skills are easily mastered
D soil is quickly exhausted

4 What is an advantage of using imported exotic breeds of cattle?

A high production standard
B resistant to tick-borne disease
C take long to mature
D withstand harsh conditions

5 What legislation is used to control notifiable diseases in Eswatini?

A crop and stock movement act
B environment act
C forestry policy
D mandatory dipping of livestock

6 How does high humidity affect the development of plants?

A it increases evaporation
B it increases respiration
C it reduces plant growth
D it reduces transpiration

7 What term refers specifically to the gradual increase of the temperatures near the earth surface?

A climate change
B desertification
C global warming
D greenhouse effect

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8 What adaptation measure would help overcome the effects of climate change?

A conservation agriculture
B commercial farming
C mixed farming
D subsistence farming

9 What process results from the contamination of water by nitrates?

A acidification
B denitrification
C eutrophication
D leaching

10 What is the recommended method of disposing of farm chemical waste?

A burn the waste
B bury the waste into soil
C pour waste into drain
D send for reprocessing

11 What term describes the growing of crops between tree lines?

A agroforestry
B intercropping
C mixed cropping
D mixed farming

12 Which type of soil structure promotes crop growth?

A blocky
B crumby
C platy
D prismatic

13 Which soil feature is influenced by its texture?

A pH
B profile
C slope
D temperature

14 Which chemical accelerates settling of mineral particles during soil testing?

A ammonium chloride
B ammonium sulphate
C barium chloride
D barium sulphate

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[Turn over

15 **Fig 15 .1** shows different soil sampling methods.

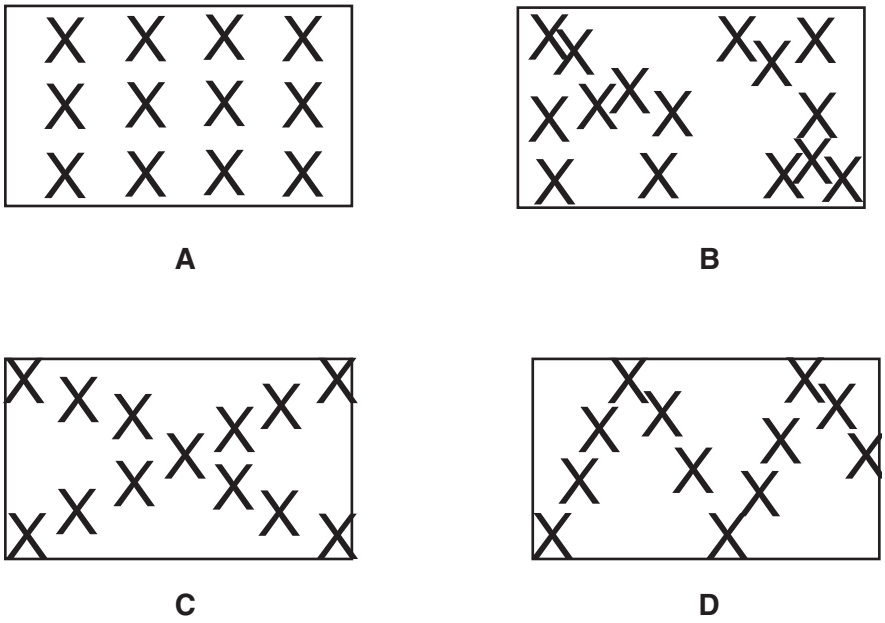


Fig 15.1

Which diagram indicates a random sampling?

16 What type of soil erosion is reduced by gabions?

A gully
B rill
C sheet
D splash

17 **Fig 17 .1** shows ways of particle transportation during wind erosion.

Which letter represents suspension?

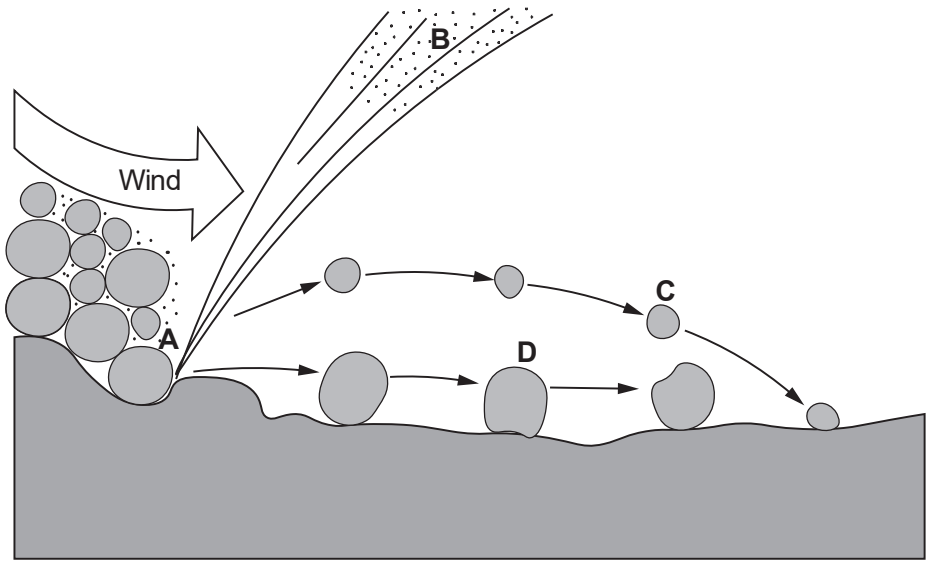


Fig 17 .1

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18 What controls the rate of transpiration in plants?

A guard cells
B mesophyll cells
C phloem vessels
D xylem vessels

19 **Fig 19.1** shows an insect visiting flowers on the same plant.

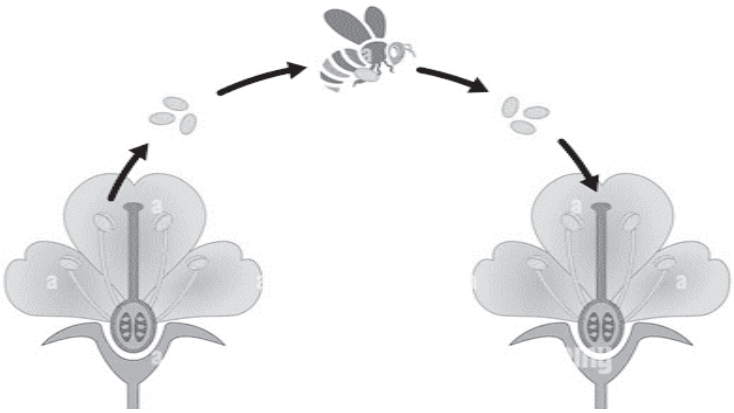


Fig 19.1

What process is shown in **Fig 19.1**?

A cross fertilisation
B cross pollination
C self fertilisation
D self pollination

20 Which process refers to the movement of water molecules from the soil solution into root cells?

A active transport
B diffusion
C osmosis
D translocation

21 Where does respiration take place in a plant cell?

A chlorophyll
B cytoplasm
C mitochondria
D vacuole

22 What type of herbicide prevents growth of germinating weed seedlings?

A non selective
B post emergence
C pre emergence
D selective

23 **Fig 23.1** shows an insect feeding on a fruit crop.

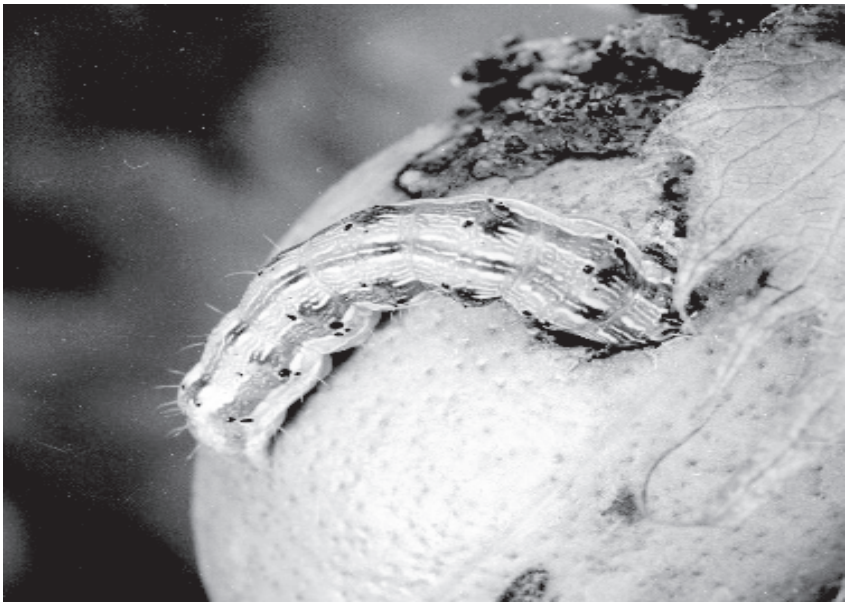


Fig 23.1

Which type of pest is shown in **Fig 23.1**?

A biting and chewing
B boring
C cutworm
D piercing and sucking

24 Which plant disease is characterised by blocking of the xylem vessels?

A bacterial wilt
B damping off
C maize streak
D potato blight

25 What species of fish is commonly farmed in Eswatini?

A carp
B catfish
C tilapia
D trout

26 What name is given to the food mixture released from the abomasum?

A bolus
B chyme
C cud
D peristalsis

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27 Which process involves the placing of semen into the cow's uterus?

A artificial insemination
B gene modification
C monohybrid crossing
D selective breeding

28 Which chamber in a ruminant stomach traps foreign materials?

A abomasum
B omasum
C reticulum
D rumen

29 Which ration is used to keep a cow in good condition that is not pregnant despite several attempts?

A balanced ration
B maintenance ration
C production ration
D supplementary ration

30 Which nutrient would be needed in high concentration in a feed ration for calves?

A carbohydrates
B minerals
C proteins
D vitamins

31 Which of the following pasture plants is a legume?

A elephant grass
B kikuyu
C lucerne
D rye grass

32 What term describes the maximum number of livestock units a pasture can support?

A carrying capacity
B grazing value
C pasture value
D stocking rate

33 Which fodder is harvested while still green and stored to allow fermentation?

A foggage
B hay
C lucerne
D silage

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[Turn over

34 Which device is used for deworming livestock?

A burdizzo
B dosing gun
C elastrator
D spray race

35 Which animal disease spreads through mating?

A Brucellosis
B Coccidiosis
C Newcastle
D Red water

36 What could indicate good health in livestock?

A bright eyes
B lack of appetite
C smelly droppings
D rough coat

37 Which device can be used to carry seven 50 kg fertiliser bags from the shop to the farm?

A bucket
B tractor
C trailer
D wheelbarrow

38 Which building materials material are resistant to fire and termites?

A brick and wood
B concrete and corrugated iron
C corrugated iron and thatch
D thatch and wood

39 What is the recommended depth to bury the corner post of a fence?

A 40 cm
B 50 cm
C 60 cm
D 70 cm

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40 **Fig 40.1** shows the structure of an earth dam.

What is the importance of the part labelled **X**?

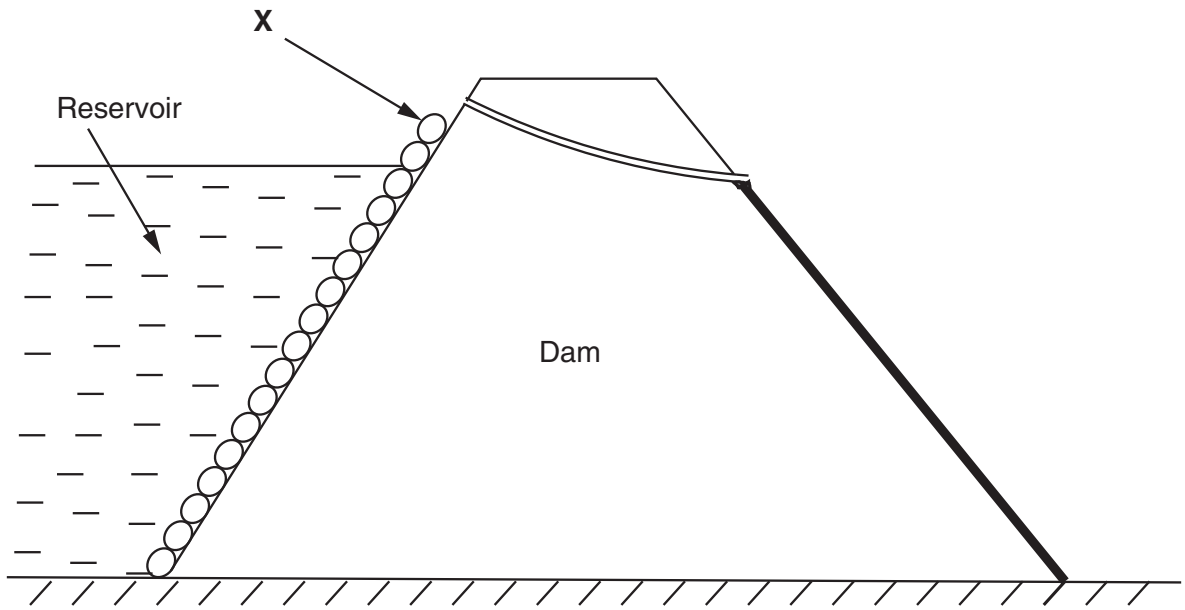


Fig 40.1

A prevents erosion by flooding
B prevents erosion by rainfall
C prevents water pressure
D prevents wave erosion

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