EXAMINATIONS COUNCIL OF ESWATINI
Junior Certificate Examination

AGRICULTURE **516/01**

Paper 1 Multiple Choice **October/November 2025**

Additional Material: Calculator **1 hour**

READ THESE INSTRUCTIONS FIRST

The answer sheet 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.

EXAMPLE: **41** How many legs does a cow have?

A 2 legs
B 3 legs
C 4 legs
D 6 legs

	A	B	C	D
41	○	○	●	○

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

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1 Which farming system allows the selling of a farm produce only when there is a surplus?

A commercial farming

B mixed farming

C organic farming

D subsistence farming

2 Which farming practice provides the farmer with an assurance of a harvest?

A cash crop farming

B intercropping

C monocropping

D intensive farming

3 What is the career related to the control of livestock diseases?

A agronomist

B inspector

C researcher

D veterinarian

4 What is the main function of a hoe?

A digging out holes

B digging out furrows

C mixing in fertiliser

D scoping and lifting

5 Which region in Eswatini has more rainfall?

A Highveld

B Middleveld

C Lowveld

D Lubombo

6 Which environmental factor results in delayed plant growth?

A average humidity

B average rainfall

C low temperature

D optimum temperature

7 Which term describes the deposition of impurities to the environment?

A agroforestry

B biodiversity

C desertification

D pollution

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8 Fig 8.1 shows an invasive plant weed.



Fig 8.1

What is the name of the weed indicated in Fig 8.1?

A Bugweed

B Lantana camara

C Mauritius thorn

D Triffid weed smell

9 Which term describes the absence of a vegetation cover on the topsoil due to high temperature?

A cultivation

B climate change

C desertification

D erosion

10 What is the effect of cultivating a dry soil?

A break large lumps of soil

B compresses soil particles

C destroys the soil structure

D destroys the soil texture

11 Which vegetable has a longer growing period?

A beetroot

B cabbage

C carrots

D onions

12 Which seedling management activity directly causes damping off?

A delayed thinning of seedlings

B prolonged shading of seedlings

C watering in the early morning

D watering in the late afternoon

13 Which vegetable can only be planted directly?

A cabbage

B green beans

C green pepper

D tomatoes

14 Which insect is controlled using systemic insecticide?

A aphid

B beetle

C cutworm

D ladybird

15 Why should manure be covered with grass or an old fertiliser bag during storage?

A to cool the manure

B to maintain the heat

C to reduce decomposition

D to retain nutrients

16 What is the purpose of adding soil when making a compost?

A to provide food for micro-organisms

B to provide the required plant nutrients

C to provide the right micro-organisms

D to speed up the decomposition process

17 Fig 17.1 shows a conservation practice in a farm.



Fig 17.1

What is the name of the conservation method in Fig 17.1?

A contour ploughing

B crop rotation

C grass strip

D tie ridging

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18 What is the function of the barrier when healing a donga?

A block human movement

B enlarge the donga

C hold plant roots

D slow down the water

19 Which land class has a percentage slope of between 5% to 8%?

A III

B IV

C V

D VIII

20 Fig 20.1 shows a diagram of potatoes planted in ridges.

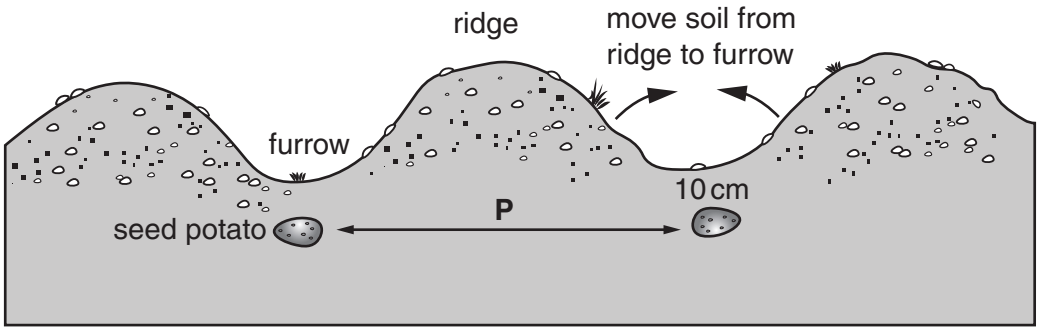


Fig 20.1

What should be the spacing at **P** in Fig. 20.1.?

A 70 cm

B 80 cm

C 90 cm

D 100 cm

21 Which activity separates grains from the cobs?

A steaming

B stripping

C threshing

D winnowing

22 Which crop is ready when the leaves start to turn yellow?

A beans

B cotton

C maize

D tobacco

23 What is the effect of storing crops in plastic sacks?

A increase air circulation

B increase grain cooling

C increase insect multiplication

D increase mould formation

24 Which temperature is recommended for day old chicks in a brooder?

A 20°C

B 30°C

C 35°C

D 40°C

25 Which chicken disease result in paralysis?

A Coccidiosis

B Coryza

C Mareks

D Newcastle

26 What is the importance of hanging greens in the poultry house?

A to prevent cannibalism

B to prevent bad smell

C to prevent diseases

D to prevent feed wastage

27 Fig 27.1 shows a honeybee keeping equipment.



Fig 27.1

What is the name of the equipment indicated in Fig.27.1?

A bee brush

B hive tool

C slatted rack

D uncapping fork

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28 What should be the percentage of capped honey for combs to be harvested?

A 70%

B 75%

C 85%

D 100%

29 Fig 29.1 shows a management practice in livestock.

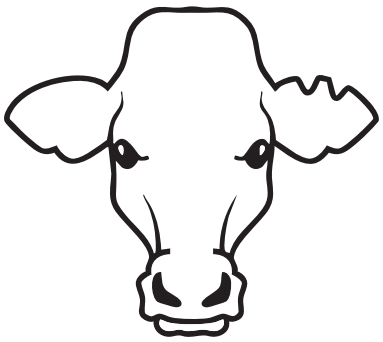


Fig 29.1

Which management practice is shown in Fig 29.1?

A branding

B ear lettering

C ear notching

D ear tagging

30 When is a buck ready for mating?

A at three months

B at four months

C at five months

D at six months

31 Which feed combination is most appropriate for rabbits?

A greens and laying mash

B greens and night feaces

C greens and pellets

D laying mash and pellets

32 Which exotic goat breed is classified as a meat breed?

A Kalahari red

B Nguni

C Saanen

D Toggenburg

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33 Which is the best period for mating goats?

A January to May

B June to July

C August to September

D October to December

34 Which part of the ruminant digestive system secretes gastric juice?

A abomasum

B omasum

C reticulum

D rumen

35 Which plant material is poisonous when fed to goats?

A groundnuts tops

B maize stalks

C tomato leaves

D yellow maize

36 Why is silage compressed during its preparation?

A to add oxygen

B to allow more material

C to force all the air out

D to speed up the drying

37 What is the importance of making a shallow basin around a fruit tree?

A to add nutrients

B to control diseases

C to hold water

D to keep the topsoil

38 What is the effect of picking fruits too early?

A they will dry quickly

B they will have a high price

C they will pass its best

D they will take long to ripe

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39 What is the effect of an over supply of a product in the market?

A prices decrease

B prices increase

C supply decrease

D supply increase

40 Fig 40.1 shows a principle used in a farm business.

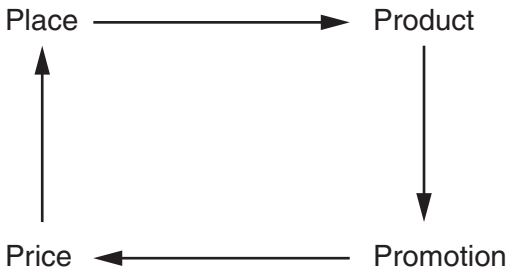


Fig 40.1

What term describes the principles shown in Fig.40.1?

A marketing analysis

B marketing mix

C marketing plan

D marketing research

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