



ZOMBA RURAL

2021 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

PRIMARY SCIENCE

(100 marks)

Date: _____

Time allowed: _____

LEARNERS NAME: _____

(Surname first)

NAME OF SCHOOL: _____ ZONE _____

Question Number	Tick if answered	Do not write in these columns	
1 – 40			
41			
42			
43			
44			
45			
47			
48			
49			
50			
51			
52			



Instructions:

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1. This paper contains 8 pages. Please check.
 2. This paper has two sections **A** and **B**. **Section A** consists of **40 multiple choice questions** carrying 1 mark each. Encircle a letter of your choice representing the right answer to each question.
- Section B** has **12 structured questions**. Write your answer to this section on the **question paper** in the spaces provided. The maximum number of marks is indicated against each question.
3. Answer **all** questions.
 4. In the table provided on this page, **tick** against the number of the question you have answered.

5. IMPORTANT

- Please, make sure you have written your **name, school name** and **zone** on the question paper.
- Please, hand in your filled in question paper to the **invigilator** at the end of the examination.

SECTION A: MULTIPLE CHOICE (40 marks)

Encircle the letter that best represents the correct answer

AGRICULTURE (20 marks)

1. Name the crop which belongs to "silviculture".
A. Marigold C. Pumpkins
B. Bluegum D. Rape
2. Which of the following methods of irrigation is good for fruit trees?
A. Flooding irrigation
B. Sprinkler irrigation
C. Drip irrigation
D. Basin irrigation



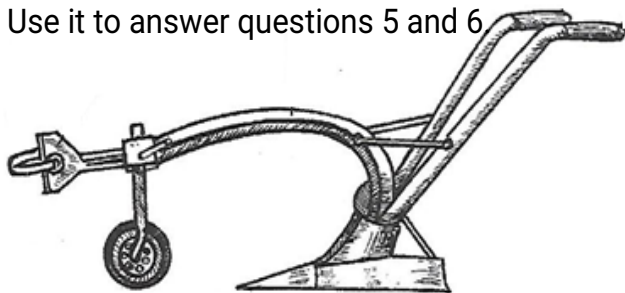
3. Which of the following methods can help to control predators of fish in a pond?

- A. scaring them away
- B. applying lime to the pond
- C. removing the fish
- D. expose the pond to sun

4. Which of the following is not a sign and symptom of foot and mouth disease in cattle?

- A. high fever
- B. lameness in
- C. rapid breathing
- D. sores on feet and mouth

Figure 1 is a diagram of a farm implement. Use it to answer questions 5 and 6



5. Identify the implement shown in the figure.

- A. cultivator
- B. ox cart
- C. plough
- D. ridger

6. What is the use of the implement?

- A. tilling the soil
- B. applying chemicals

C. making ridges

D. planting trees

7. Which of the following disease of maize is identified by black powder substances covering tassels and cobs?

- A. Headsmut
- B. Maize streak
- C. Leaf bright
- D. Wilting

8. What type of house is recommended for chickens kept in free range systems?

- A. deep litter
- B. traditional
- C. battery cage
- D. semi-intensive

9. Which of the following is not a principle of farm business?

- A. comparative advantage
- B. substitution of input
- C. demand and supply
- D. what to produce

10. Why should farmers sell their crops when they are scarce?

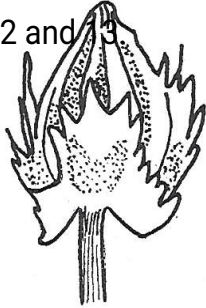
- A. to keep them from thieves
- B. to make them available to many people
- C. to make profit
- D. to avoid hunger

11. Which of the following vegetables is a bulb?

A. beetroot C. cabbage

B. onion D. carrot

Figure 2 is a cash crop grown in some districts of Malawi. Use it to answer questions 12 and 13



12. Name the cash crop.

A. cotton C. sunflower

B. tobacco D. pineapple

13. Name the industry which benefit from the cash crop.

A. Milling companies

B. Tobacco processing industry

C. Oil processing industry

D. Clothing manufacturing industry

14. How are tree harvested in an Agroforestry plot?

A. by setting them on fire

B. by making charcoal

C. by cutting them down

D. by pruning

15. How do terraces control soil erosion?

A. improve soil profile

B. reducing run off

C. improve texture

D. protect plants

16. Which of the following is the loss of water from plant into the atmosphere?

A. evaporation C. condensation

B. transpiration D. infiltration

17. Which of the following indigenous technologies is used as pesticides in controlling mites in pigs?

A. tephrosia C. soot

B. ash D. querns

18. Which of the following fruits are propagated through budding?

1. Oranges 3. Lemons

2. Granadilla 4. Mangoes

A. 1, 2 and 4 C. 1, 2 and 3

B. 2, 3 and 4 D. 1, 3 and 4

19. Why is overfeeding of green feeds avoided in rabbits?

A. rabbits reproduce quickly

B. they become strong

C. it results in slow growth

D. they become more fat

20. What transmits a virus that causes rosette diseases in groundnuts?

- A. monkeys C. birds
- B. aphids D. mice

SCIENCE AND TECHNOLOGY (20 marks)

21. The condition in which there is lack or excess of certain nutrients in the body is _____

- A. nutrition C. vitamin
- B. health D. malnutrition

22. Why do pregnant women and unborn babies need calcium and phosphorus?

- A. for the formation of new tissues
- B. for the formation of red blood cells
- C. for the development of bones and cartilage
- D. for the formation of zygote in the fallopian tube

Figure 3 is a diagram of types of worms. Use it to answer questions 23 and 24.



23. What is the name of the worm?

- A. tapeworm C. pinworm
- B. roundworm D. hookworm

24. Which of the following is the sign of the infection by the worm?

- A. pain in the stomach

B. fever

C. patient looks pale

D. nausea

25. Energy of height is called _____

- A. kinetic energy C. heat energy
- B. chemical energy D. potential energy

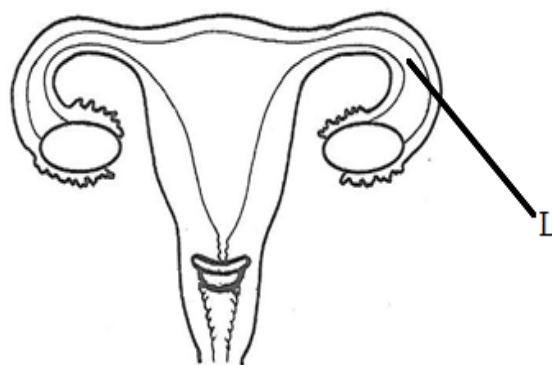
26. How does air finally get into the lungs?

- A. through bronchioles
- B. through the trachea
- C. through the nostrils
- D. through the mouth

27. Which of the following is the output device of the computer?

- A. keyboard C. monitor
- B. mouse D. central processing unit

Figure 4 is a diagram showing a method of family planning. Use it to answer questions 28 and 29.



28. What is the name of this method?

- A. tubal ligation C. nor plant

B. the diaphragm D. intra-uterine device

29. What name is given to the part marked L?

- A. uterus D. vagina
B. ovary D. oviduct

30. Which of the following is a characteristic of insect pollinated flowers?

- A. flowers are small
B. large quantities of light pollen produced
C. have no scent
D. anthers held firmly

31. Which of method of cooking is not recommended for sedentary workers?

- A. frying C. steaming
B. boiling D. roasting

32. Which of the following is an indigenous food preservation technology?

- A. canning C. jam making
B. salting D. freezing

33. Name the part of blood which transports oxygen.

- A. plasma C. red blood cells
B. platelets D. white blood cells

34. Joints that allow to and fro movements are called _____

- A. gliding joints
B. ball and socket joints
C. hinge joints
D. movable joints

35. Why are some animals called amphibians?

- A. they have limbs
B. they live both on land and in water
C. they have scales
D. they swim in water

Figure 5 is showing a type of stem. Use it to answer questions 36 and 37.



36. Identify the type of stem.

- A. underground C. climbing
B. creeping D. erect

37. The type of stem above is found in the following plants **except**:

- A. sweet potatoes C. bananas

B. Irish potatoes D. bamboos

A. dyes

C. perspiration

B. rust

D. tea

38. Which of the following is the method of separating liquid mixtures?

A. evaporation C. distillation

B. filtration D. decanting

39. Which of the following is an animal stain?

40. The process whereby green plants make their own food is called _____

A. photosynthesis C. fertilisation

B. hypothesis

D. pollination

SECTION B (60 marks)

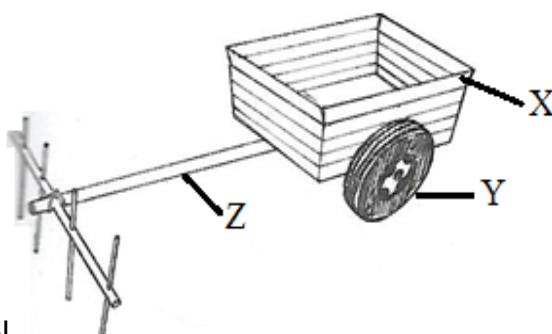
AGRICULTURE (30 marks)

41. a. State two aims of agriculture as business. (2 marks)

b. Name any two ways in which records are important on a farm. (2 marks)

c. Explain the reasons why advertising agricultural products is important. (3 marks)

42. **Figure 6** is a diagram showing a farm tool. Use it to answer the questions that follow.



a. Name the farm tool. (1 mark)

b. Name the part labelled Y. (1 mark)

c. What are the uses of the parts labelled X and Z? (2 marks)

X _____

Y _____

43. a. Give any three characteristics of indigenous trees. (3 marks)

b. (i) Name one recommended method of weeding in an agroforestry plot. (1 mark)

(ii) Give any two advantages of including indigenous fruit trees in an agroforestry plot. (2 marks)

44. **Figure 7** is a diagram of a goat parasite. Use it to answer questions that follow.



a. Identify the parasite. (1 mark)

b. Name one disease that is transmitted to goats by the parasite. (1 mark)

c. State two ways of controlling the parasite. (2 marks)

45. a. Explain the reason why cassava cuttings should be planted at an angle. (2 marks)

b. List any three common fruit diseases. (3 marks)

46. **Table1** shows an example of physical farm record. Use it to answer questions that follow.

Crop	Field or Plot	Hectare	Yield
Vegetable	1	5	6 000kg
Maize	2	5	25 000kg
groundnuts	4	2	8 000kg

a. Identify the physical farm record. (1 mark)

b. Which crop had the lowest yield? (1 mark)

c. Calculate the amount of money the farmer got if maize was sold at K150.00 per kg. (2 marks)

SCIENCE AND TECHNOLOGY (30 marks)

47. a. Define “environment” (1 mark)



b. Classify the following animals into “vertebrates” and invertebrates”

(5 marks)

frogs, beetles, snakes, grasshoppers and monkeys

Vertebrates	Invertebrates

48. a. Explain the importance of hair and mucus in the nose.
(2 marks)

(2 marks)

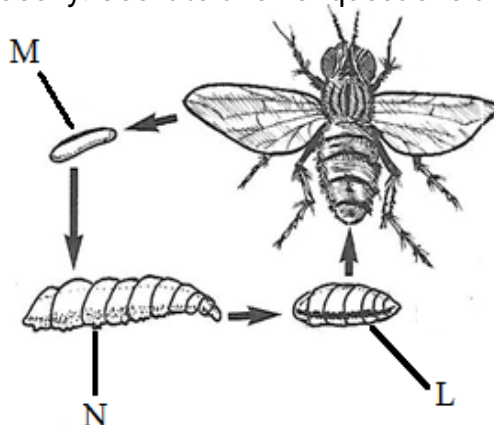
b. (i) List any two common infections associated with HIV and AIDS.
(2 marks)

(2 marks)

(ii) State any one disadvantage of keeping baking food.
(1 mark)

(1 mark)

49. **Figure 8** is a diagram of a housefly. Use it to answer questions that follow.



a. Name the parts labelled L and M.

(2 marks)

L _____

M _____

b. What type of metamorphosis does this life cycle belong to?
(1 mark)

(1 mark)

c. Give the reason for your answer in b.

(2 marks)



50. a. State any two disadvantages of information and communication technologies. (2 marks)

b. (i) What is the difference between coding and decoding? (2 marks)

(ii) Name two types of systems that are used in transmitting messages through technologies.

(2 marks)

51. a. Explain the reason why the blood coming out from the heart to the body looks bright red.

(2 marks)

b. Name the organ that regulates how much food should be transported by blood. (1 mark)

c. Explain the effect on a human being if air fails to get into the mouth or nose. (2 marks)

52. Complete the table by filling in food nutrients against the type of food eaten. (3 marks)

Type of food eaten	Food nutrients
Flying ants	



Bananas	
Lemons	

End of Question Paper

