



BLANTYRE URBAN DISTRICT MOCK EXAMINATIONS BOARD
2024 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

PRIMARY SCIENCE

(100 marks)

Subject Number: P163

Time Allowed: 2 hours
 1:00 – 2:30 pm

Name of Candidate: _____
 (Surname First)

Name of School: _____

Instructions

- This paper contains 9 pages. Please check
- This paper has two sections **A** and **B**. Section **A** consists of **30** multiple choice questions carrying **1 mark** each. **Encircle** a letter of your choice representing the right answer to each question. Section **B** has **15** structured questions. Write your answers in the spaces provided. The maximum number of marks for each answer is indicated against the question.
- Answer **all** questions.
- In the table provided on this page, **tick** against the question number you have answered.
- Please make sure you have written your **name** and **examination number** on the question paper in the spaces provided.
- Hand in your question paper to the invigilator when time is called to stop writing.

Question Number	Tick Questions 31 – 45 if answered	Do not write in these columns	
1 – 30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			



Section A: 40 marks
AGRICULTURE

1. Which of the following pests of maize eat leaves from the margin inwards?
 - A. stalk borer
 - B. red locust
 - C. army worm
 - D. grasshopper

2. Which of the following breeds of goats is kept for mohair?
 - A. somali
 - B. saanen
 - C. kamori
 - D. toggernburg

3. When making compost manure, why wood ash added?
 - A. to decay fast.
 - B. increase manure.
 - C. reduce acid.
 - D. encourage decomposition.

4. Which of the following fruits can be propagated by the use of suckers?
 - A. pineapples
 - B. oranges
 - C. granadillas
 - D. apples

5. Which of the following activities in marketing functions is done in storage?
 - A. drying
 - B. assembling
 - C. displaying
 - D. stocking

Figure I is a diagram showing layers of soil. Use it to answer questions 6 and 7.

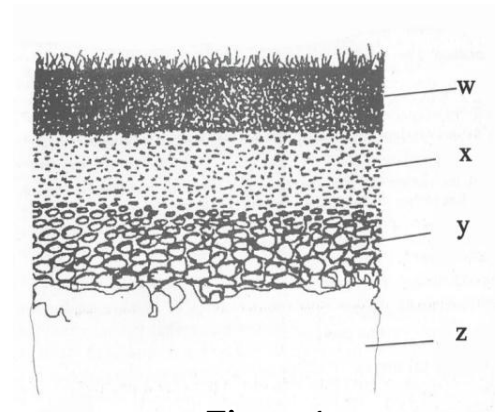


Figure 1

6. Which of the following layers of soil has better aeration?
 - A. W
 - B. X
 - C. Y
 - D. Z

7. Which of the following layers is also known as the bed rock?
 - A. W
 - B. X
 - C. Y
 - D. Z

8. Which of the following farm tools is used for loosening the soil?
 - A. hoe
 - B. hand fork
 - C. hand trowel
 - D. rake

9. Which of the elements of the agricultural environment is used by plants to make their own food?
 - A. animals
 - B. plants
 - C. soil
 - D. water

10. Which of the following cause coccidiosis in chickens?

- A. protozoa
- B. plasmodia
- C. virus
- D. bacteria

11. Which of the following tree species is treated by removing fleshy pulp?

- A. chammwamba
- B. kachere
- C. chitimbe
- D. msangu

Figure 2. is a diagram showing an activity of animals husbandry practices. Use it to answer questions 12 and 13.



Figure 2

12. Name the animal husbandry practices being practiced?

- A. vaccination
- B. drenching
- C. feeding
- D. breeding

13. Why is the animal husbandry practice important?

- A. make the animals grow fat.
- B. kill germs inside the body.
- C. prevent it from bearing young ones.
- D. protect it from predators.

14. Which of the following tree species provide medicinal value?

- A. gmelina
- B. india
- C. accasia
- D. pawpaw

15. Why should sown seeds be mulched with grass or leaves?

- A. to grow fast.
- B. to get more sunlight.
- C. to reduce evaporation.
- D. to mature early.

A farmer noticed that cattle in his Khola were showing the following signs and symptoms: high fever, excessive salivation and lameness. Use this information to answer questions 16 and 17.

16. Which of the following diseases were the cattle suffering from?

- A. sleeping sickness.
- B. east coast fever.
- C. tuberculosis.
- D. foot and mouth disease.

17. Which of the following ways controls the disease?

- A. restrict movement.
- B. regular dipping.
- C. control tsetse flies.
- D. kill and bury infected animals.

18. Which of the following farm implements is used for lifting water?

- A. wheel barrow
- B. treadle pump
- C. motorized pump
- D. wind mill

19. Which of the following methods is used to apply fertilizer in maize field?

- A. dollop
- B. foliar
- C. banding
- D. broadcasting

20. Which of the following weeds can be best controlled by crop rotation?

- A. black jack
- B. star grass
- C. witch weed
- D. commeline

SCIENCE AND TECHNOLOGY

21. Which of the following processes refers to the change of solids to gas?

- A. evaporation
- B. solidification
- C. condensation
- D. sublimation

22. Which of the following attach muscles to bones?

- A. ligaments
- B. tendons
- C. joints
- D. skeleton

23. Which of the following accidents can be treated by pressing the belly with a sudden upwards jerk?

- A. choking
- B. drowning
- C. sprain
- D. grazes

Figure 3 shows a type of worm. Use it to answer questions 24 and 25.

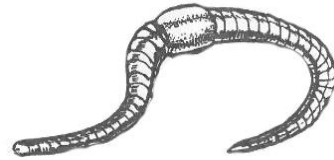


Figure 3

24. Name the worm

- A. planaria
- B. nematode
- C. ascaris
- D. annelida

25. To which group of invertebrates does it belong

- A. protozoa
- B. worms
- C. arthropods
- D. molluscs

26. Which of the following arteries takes blood into the kidneys?

- A. renal
- B. iliac
- C. hepatic
- D. mesenteric

27. Which of the following is an example of synthetic fibre?

- A. linen
- B. silk
- C. rayon
- D. asbestos

28. Which of the following is the best way of preventing HIV and AIDS?

- A. being faithful.
- B. abstinence from sex.
- C. using condoms correctly.
- D. having only one sexual parties.

29. Which of the following components controls the flow of electricity in an electric circuit?
- cell
 - wire
 - fuse
 - switch
30. In the human breathing system where does the exchange of oxygen and carbon dioxide take place?
- heart
 - lungs
 - alveoli
 - bronchus
31. Which of the following parts of plants is the reproductive part?
- flower
 - roots
 - stem
 - leaves

Figure 4 is a diagram showing a type of machine. Use it to answer questions 31 and 32.

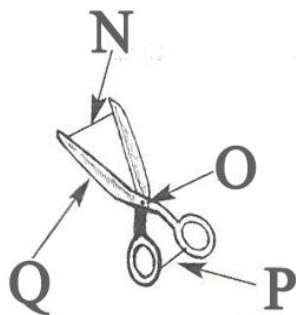


Figure 4

32. What is the type of the machine above?
- pulley
 - lever
 - plane
 - wedge
33. Which of the following parts represents the effort?

- N
- O
- P
- Q

34. Which of the following steps takes place in the conclusion stage of a scientific investigation?
- identifying variables.
 - evaluating hypothesis.
 - analysis data.
 - collecting data.
35. Which of the following fruit and seeds dispersed by water?
- african daisy.
 - cotton seed
 - coconut seed.
 - wall flower.
36. A person who is recovering from an illness is called?
- convalescent
 - invalid
 - vegetation
 - elderly
37. Which of the following is a secondary food processing?
- soaking mphale.
 - pounding cereals.
 - making thobwa
 - grinding grain
38. Which of the following plants have stems with tendrils?
- yam
 - pumpkins
 - rose
 - banana

39. Which of the following resources is needed when making soap?

- A. egg shell
- B. powder soap
- C. caustic soda
- D. candle wax

40. Which of the following is formed soon after conception?

- A. zygote
- B. egg
- C. foetus
- D. embryo

Section B (60 Marks)

AGRICULTURE

41. a. Give any **two** characteristics that make Mlamba a suitable fish species for fish farming.

(2 marks)

b. Why is it important to feed farm animals properly? **Give two reasons?**

(2 marks)

c. State any **two** advantages of a deep litter chicken house.

(2 marks)

Figure 5 is a diagram showing a method of irrigation. Use it to answer question 42a and b

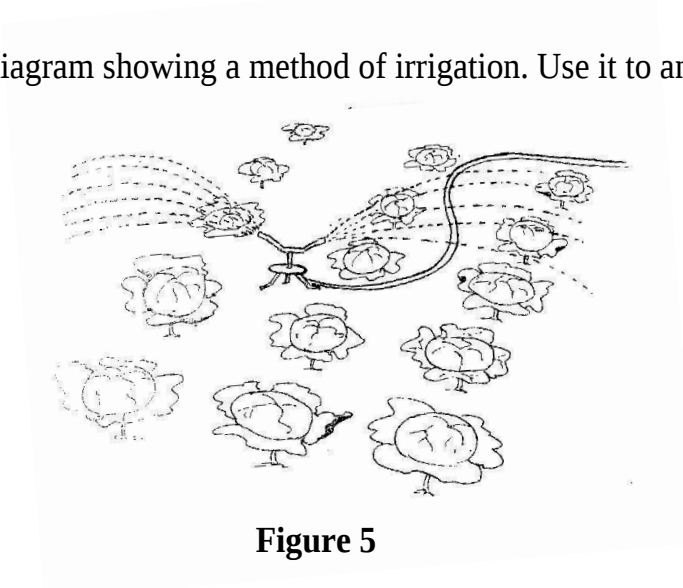


Figure 5

42. a. Mention the method of irrigation in the diagram?

(1 mark)

b. Describe how it works

(2 marks)

c. Give any **two** reasons why water is important to crops?

(2 marks)

43. a. How can the problem of perishability of produce be solved? **Give two reasons**

(2 marks)

b. Explain how soil fertility affects agricultural production?

(2 marks)

44. Classify the following breeds of cattle based on their functions: Charolais, boron, Arshire hereford and Jamaica hope

Dairy breeds :

Beef breeds :

(5 marks)

45. a. Why should the following be done in vegetable nursery management?

i. Weeding

(1 mark)

ii. Hardening off

(1 mark)

b. Give any **two** ways of conserving soil?

(2 marks)

46. a. State any **two** reasons why trees are important to animals?

(2 marks)



b. Mention the **three** types of agroforestry?

(3 marks)

SCIENCE AND TECHNOLOGY

47. a. Why should a pregnant woman eat adequate amounts of the following food nutrients?

i. Proteins

(1 mark)

ii. Iron

(1 mark)

b. What are the effects of the following diseases in children?

i. Polio

(1 mark)

48. a. State any **two** activities that can lead to the destruction of the environment?

(2 marks)

b. Mention any **two** technologies for conserving the environment?

(2 marks)

c. Define environment?

(1 mark)

Figure 6 is a diagram showing a method of cooking. Use it to answer question 49a.

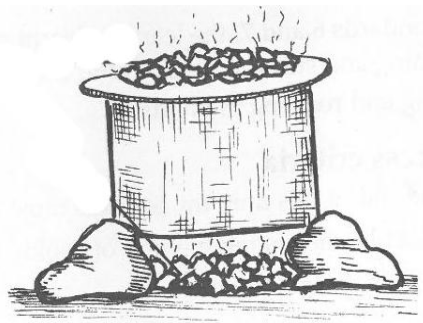


Figure 6

49. a. Identify the method of cooking?

 (1 mark)
- b. Mention any **two** foods that can be cooked using the method?

 (2 marks)
- c. Describe any **two** disadvantages of the method of cooking?

 (2 marks)
50. a. Describe the relationship among family size, income and food supply?

 (2 marks)
- b. State any **two** factors to consider when planning meals?

 (2 marks)
51. a. Mention any **two** materials for making toys?

 (2 marks)
- b. Explain any **one** way of marketing toys

 (2 marks)
52. a. What is a food chain?

 (1 mark)
- b. Construct a food chain for the following: Birds, Caterpillars, Green, Grass and Snakes

 (1 mark)
- c. Explain what would happen if all the caterpillars are killed?

 (1 mark)

END OF QUESTION PAPER

NB: This paper contains 9 printed pages.

