

EXAMINATION NO: \_\_\_\_\_

# THE CHIMUNGU ZONAL EXAMINATION BOARD 2025

## PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION



### PRIMARY SCIENCES

(100 marks)

Subject Number: P163

Time Allowed: 2 hours

8:00 – 10:00 am

Date: 21/02/2025

Name of Candidate: \_\_\_\_\_  
(Surname First)

Name of School: \_\_\_\_\_

#### Instructions

1. This paper contains 7 printed 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 for each answer is indicated against the question.
3. Answer **all** questions.
4. In the table provided on this page, **tick** against the question number you have answered.
5. **IMPORTANT**
  - 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 41 – 50 if answered	Do not write in these columns	
1 – 40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			

Turn over

@ CHIZEBO 2025

**SECTION A (40 Marks)**  
**AGRICULTURE**

1. Which of the following is a sign of damage caused by hailstorm in crop production?
  - A. Burning of crops
  - B. Wilting of crops
  - C. Lodging of crops
  - D. Wiping up entire crops
2. How is maize streak disease control?
  - A. Weeding early
  - B. Spacing maize correctly
  - C. Planting maize early
  - D. Uprooting diseased plants
3. What is the use of a BEAM in a ridger?
  - A. Attaches the ridger to the chain
  - B. Holds all parts of the ridger
  - C. Helps to move the ledger
  - D. Pushes the soil to each side
4. Which of the following is a fruit vegetable
 

A. Carrot	C. Egg plant
B. Lettuce	D. Cabbage
5. What causes damping off
 

A. Fungus	C. Bacteria
B. Virus	D. Moulds
6. A fish pond has 200 fish weighing 100kg. calculate the amount of feed needed per day
 

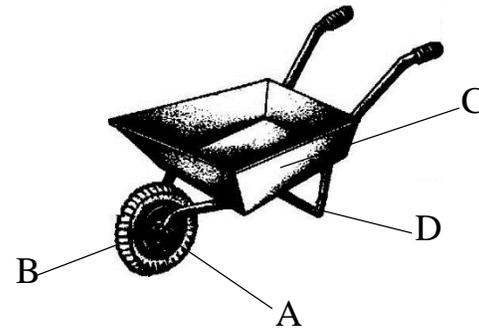
A. 10kg	C. 500kg
B. 1000kg	D. 1kg
7. Which of the following methods of weeding remove weeds by covering them with soil
 

A. Slashing	C. Banking
B. Uprooting	D. Light hoeing
8. Which of the following raw materials could be used to manufacture shoes?
 

A. Hoofs	C. Horns
B. Blood	D. Hides
9. Cassava cuttings are planted at an angle in order to prevent
  - A. Them from rotting

- B. Exposure to direct sunlight
- C. Them from being blown off by wind
- D. Termites from attacking the cutting

**Figure 1** is a diagram showing farm implements. Use it to answer questions 10 and 11



10. What is the name of the farm implements?
 

A. Shovel	C. Farm cart
B. Wheelbarrow	D. Maize Sheller
11. Which of the following is the function of part marked D
  - A. For movement
  - B. Drawing water
  - C. Shelling dry maize
  - D. It holds all parts of implements
12. Which of the following is not the way of processing fish
 

A. Smoking	C. Frying
B. Sun drying	D. Salting
13. Which of the following is a soil organisms
 

A. Earthworm	C. Plasmodium
B. Liver fluke	D. Anthracnose
14. Which of the following crop enterprises can best make sure of flood irrigation?
 

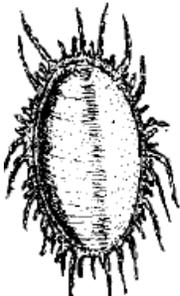
A. Banana farming	C. Rice farming
B. Poultry	D. Agroforestry farming
15. Which of the following is the recommended spacing for cassava processed into kondoole
 

A. 75cm x 75cm	C. 90cm x 90cm
B. 90m x 90m	D. 90cm x 45cm

16. The process of removing tree branches is called .....

- A. Trimming                      C      Thinning  
 B. Applying                      D      Prunning

**Figure 2** shows a pest of flowers. Use it to answer questions 17 and 18



17. Identify the pest

- A. White flies                      C      Termites  
 B. Meal bugs                      D      Aphids

18. Which of the following is the pest cause to a flower?

- A. Cause damping off  
 B. Suck plant juice  
 C. Damage the stare  
 D. Destroys the flower

19. The following are importance of growing crops on a farm except

- A. Source of food  
 B. Source of income  
 C. Source of milk  
 D. Source of employment

20. Which of the following is the characteristics of commercial farming?

- A. High levels of inputs  
 B. Production done in small area  
 C. Dependence mainly on rain  
 D. Low levels of inputs

**SCIENCE AND TECHNOLOGY**

21. The function of the medulla oblongata is to

- A. Posture                          C      Heart beat  
 B. Speech                          D      Balance

22. Which of the following is the third stage of scientific investigation?

- A. Implementing stage  
 B. Planning investigation

- C. Making prediction  
 D. Interpreting the results

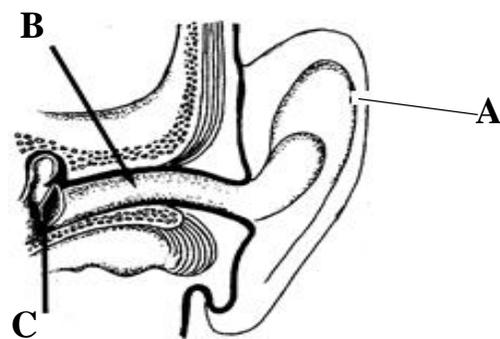
23. Why is it advisable to wash fruits before eating?

- A. To prevent germs  
 B. To improve taste  
 C. To improve flavour  
 D. To improve the quality

24. The liquid that contains sperm is .....

- A. Amnion                          C      Fluid  
 B. Zygote                          D      Semen

**Figure 3** show a sense organ. Use it to answer questions 25 and 26.



25. Name the part marked C

- A. Pinna                              C      Iris  
 B. Pupil                              D      Eardrum

26. Which of the following is the function of part marked A?

- A. Trap dust                              C      To vibrate  
 B. Direct sound into the ear      D      To decorate

27. Dislocation joint is where

- A. Bones have come out of place  
 B. Bones are broken  
 C. There is clicking of bones  
 D. Torn ligaments

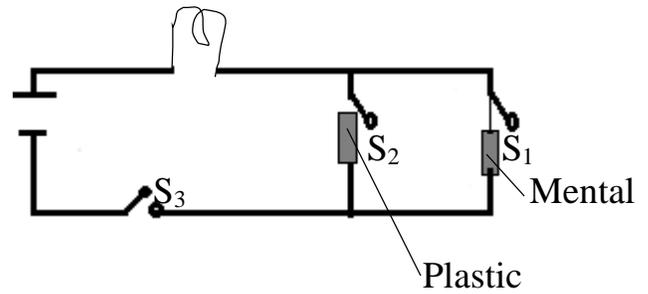
28. Which of the following is an example of synthetic fibres

- A. Plant fibres  
 B. Nylon fibres  
 C. Minerals fibres  
 D. Animal fibres

29. Which of the following is a machine for lifting goods?

- A. Wheelbarrow      C      Pulley  
 B. Levers            D      Wedge
30. Which of the following is not a composition of blood?  
 A. Plasma            C      Aorta  
 B. Platelets          D      Red blood cells
31. Which of the following seed can be dispersal by explosive mechanisms?  
 A. Beans              C      Guavas  
 B. Blackjack        D      Tomato
32. Which of the following disease can be prevented by draining stagnant water around the home?  
 A. Sleeping sickness    C      Cholera  
 B. Bilharzia            D      Malaria
33. Which of the following part of human circulatory system is possible for connecting arteries to the veins?  
 A. Venacava          C      Lungs  
 B. Capillaries        D      Heart
34. Which of the following technologies can help to conserve the environment?  
 A. Canoe              C      Solar panel  
 B. Mortar and pestle    D      Bow and arrow
35. Which of the following of people is mostly affected by rickets?  
 A. Young children    C      Elderly people  
 B. Pregnant woman    D      Manual works

Figure 4 show an electric circuit



36. Which switch (es) should be closed for the bulb to light  
 A. S<sub>1</sub> and S<sub>2</sub>            C      S<sub>2</sub> and S<sub>3</sub>  
 B. S<sub>1</sub> and S<sub>3</sub>          D      S<sub>3</sub> only
37. Which of the following methods of family planning for men?  
 A. Pills                C      Vasectomy  
 B. Norplant            D      Injection
38. What name is given to the process when gases changes into liquids  
 A. Evaporation        C      Condensation  
 B. Freezing            D      Melting
39. Which of the following is the function of pancrease?  
 A. Keep undigested residual found  
 B. Absorption took place on it  
 C. Store food  
 D. Secrete pancreatic juice
40. Which of the following is not the characteristics of anthropoids?  
 A. Segmented body    C      Pair of jointed legs  
 B. Smooth body        D      Exoskeleton

**SECTION B (60Marks)**

**Agriculture**

41.a) Define poultry?

\_\_\_\_\_ (1mark)

b) Give two advantages of keeping chicken in battery cage

i. \_\_\_\_\_

ii. \_\_\_\_\_ (2marks)

c) Name two sources of water for irrigation?

i. \_\_\_\_\_

ii \_\_\_\_\_ (2marks)

42.a) Explain how lowering of prices at a market affect farm business

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (2marks)

**Table 1** shows cattle breeds and amount of milk produced by one animal of each breed in a month

Cattle breed	milk produced (ℓ)
Africander	1800
Brahman	700
Frezian	500

b) Which cattle breed produce most milk \_\_\_\_\_ (1mark)

c) Calculate the average amount of milk produced in a month

\_\_\_\_\_ (2marks)

43.a) State two branches of agriculture

i. \_\_\_\_\_  
ii. \_\_\_\_\_ (2marks)

b) Explain how the following risky in agriculture reduce profit

**i. Policy change**

\_\_\_\_\_  
\_\_\_\_\_ (2marks)

**ii Pests and disease**

\_\_\_\_\_  
\_\_\_\_\_ (2marks)

c) Mention two importance of early land preparation

i. \_\_\_\_\_  
ii \_\_\_\_\_ (2marks)

44.a) How can coccidiosis be prevented

\_\_\_\_\_ (2marks)

b) Which part of plough cuts the soil into thin layers?

\_\_\_\_\_ (1mark)

c) Define the term permaculture?

\_\_\_\_\_  
\_\_\_\_\_ (2marks)

45.a) Give two types of composting toilet

- i. \_\_\_\_\_
- ii. \_\_\_\_\_ (2marks)

b) Why farm calendar is different from region to region in Malawi

\_\_\_\_\_  
\_\_\_\_\_  
(2marks)

46.a) State any two breeds of rabbits

- i. \_\_\_\_\_
- ii. \_\_\_\_\_ (2marks)

b) Give one factor to consider when selecting site for fruit growing

\_\_\_\_\_  
(1mark)

**SCIENCE AND TECHNOLOGY**

47.a) Explain the meaning of the term pollination?

\_\_\_\_\_  
\_\_\_\_\_  
(2marks)

b) Give two reason why seed dispersal is important

- i. \_\_\_\_\_
- ii. \_\_\_\_\_ (2marks)

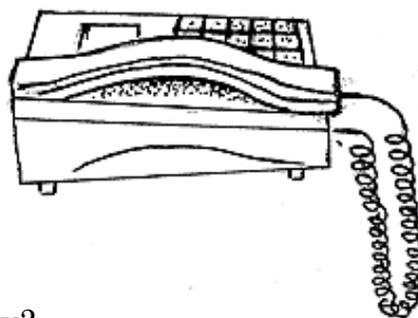
c) Classify the following animals into omnivores and carnivores:

**chicken, snake, pig and hawk**

OMNIVORES	CARNIVORES

(2marks)

**Figure 5** is a diagram of information and communication technology. Use it to answer question 48a and 48b



48.a) Identify the technology?

\_\_\_\_\_  
(1mark)

b) Give two systems how the technology transmits the messages

- i. \_\_\_\_\_
- ii. \_\_\_\_\_ (2marks)

c) State two signs and symptoms of pregnancy

- i. \_\_\_\_\_
- ii \_\_\_\_\_ (2marks)

d) Explain any two factors to consider when planning meals for old people

- i. \_\_\_\_\_
- ii \_\_\_\_\_ (2marks)

49.a) What is the difference between a “Series and parallel circuit”?

- \_\_\_\_\_
- \_\_\_\_\_ (2marks)

b) State three functions of the human skeleton

- i. \_\_\_\_\_
- ii \_\_\_\_\_
- iii \_\_\_\_\_ (3marks)

c) Explain two phases of breathing mechanism

- i. \_\_\_\_\_
- ii \_\_\_\_\_ (2marks)

d) List down 2 strength of traditional kitchen

- i. \_\_\_\_\_
- ii \_\_\_\_\_ (2marks)

50.a) Explain any two ways of improving a traditional kitchen

- i. \_\_\_\_\_
- \_\_\_\_\_
- ii. \_\_\_\_\_
- \_\_\_\_\_ (4marks)

b) Give any three conditions for seed germination

- i. \_\_\_\_\_
- ii \_\_\_\_\_
- iii \_\_\_\_\_ (3marks)

c) Give one function of leaves in plants

- \_\_\_\_\_ (1mark)

**THE END OF QUESTION PAPER**