

MIGOWI ZONE EXAMINATION BOARD

2023 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATIONS

PRIMARY SCIENCE

(100 Marks)

Time Allowed (2 hours)

8:00 – 10:00 am

Name of candidate: _____

(Surname first)

Name of School: _____

Instructions

1. This paper contains 8 printed pages. Please check.
2. This paper has two sections **A** and **B**
3. Write your name and school name on top of this page, and your examination number on top of each page.
4. Section **A**. Multiple choice. Answer all questions in this section by choosing the letter **A, B, C** or **D** that represent the correct answer.
5. Section **B** answer all questions by writing your answers in the space provided

IMPORTANT

Please write your name, school and examination number on the spaces above.

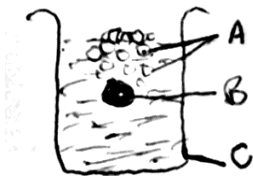
Question number	Tick if answered	Do not write in this column	
1-40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			

SECTION A (40 MARKS)

AGRICULTURE (20 marks)

- Which of the following best describe floriculture?
 - The keeping of bees
 - The growing of fruits
 - The growing of flowers
 - The keeping of domesticated birds
- The following are important of farm records except
 - Budgeting and planning
 - Obtaining loans
 - Calculating profits
 - Farm financing
- Which of the following characteristic of land supports the plants growth through maintaining top soil?
 - Size
 - fertility
 - slope
 - capital
- which of the following is the important of wood ash when making composite manure?
 - Reduce acid
 - Add fertility
 - reduce fertility
 - increase acid

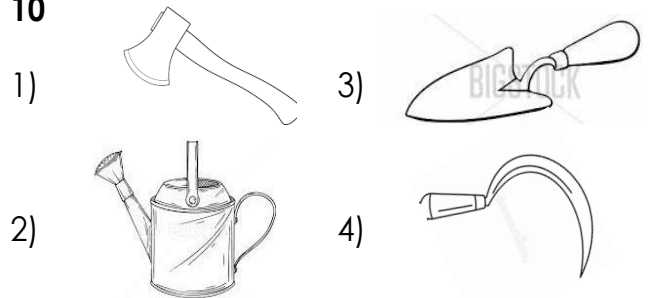
Study the figure below and answer the question that follow



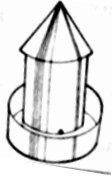
- What is the aim of the experiment?
 - To find out the presence of particles
 - To find out if soil contains air
 - To prove fertility
 - To find out if soil contains water
- Identify the parts labeled A and B above
 - Water and soil
 - Soil and bubbles
 - soil and container
 - bubbles and soil
- Which of the following can be a result of pollution on agricultural production?
 - Siltation of water bodies

- Increase productivity
 - Reduce work done by the farmer
 - Dispose human waste
- Which of the following is the function of the motorized water pump
 - Generate electricity
 - Shelling maize
 - Drawing water
 - Transportation

Study the following farm tools properly and use them to answer questions 9 and 10



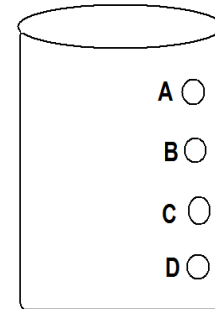
- Which farm tool is used for chopping wood?
 - 4
 - 1
 - 2
 - 3
- Which of the following is the use of farm tool 3
 - Watering crops
 - Collecting cash
 - Lifting seed
 - Loosening soil in the garden
- Why should we dispose chemicals from the sprayer after using it
 - avoid pollution
 - to kill pets
 - for cleanliness
 - avoid inhaling
- The garden of fruits is called _____
 - agroforestry
 - garden
 - Orchard
 - horticulture
- Which of the following is the way pruning improves quality of fruits?
 - Pruning the young trees
 - Applying fertilizer soon after pruning

- C. Identify the dead broken and rubbing branches
- D. Nutrients are not wasted by unproductive branches
14. Which type of vegetables does Chewele belong?
- A. exotic C. fruits
- B. root C. indigenous
15. The following are field management practices for leaf vegetables except
- A. Watering C. Mulching
- B. Supplying D. Damping off
16. Identify the equipment used in poultry
- 
- A. Feed trough C. granary
- B. Water trough D. chicken house
17. Which of the following is the recommended breed of rabbits in Malawi?
- A. New Zealand white C. Chinchilla
- B. Angora D. Flemish giant
18. Which of the following causes coccidiosis in rabbits
- A. Protozoa C. Bacteria
- B. Virus D. Fungus
19. The growing of arable crops together with trees in the same piece of land is called
- A. agroforestry C. re-afforestation
- B. afforestation D. deforestation
20. Which of the following is not the characteristic of agroforestry species?
- A. Alternated rows
- B. Medicinal value
- C. Edible fruits
- D. Ability to accommodate other crops

SCIENCE AND TECHNOLOGY (20 marks)

21. The way of getting information or knowledge is called
- A. Scientific investigation C. Science
- B. Investigation D. Technology

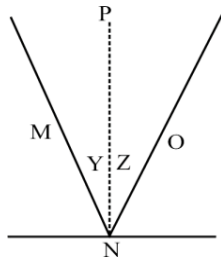
Use the figure below to answer question 22 and 23



22. Through which way does the water coming out reach the shortest distance
- A. A B. B C. C D. D
23. Give a reason to the answer given above
- A. Because light travels in a straight line
- B. Because there is low pressure at the top
- C. Because there is high pressure at bottom
- D. Because there is no pressure at D
24. The following are activities involved in laundry process
- A. Sorting C. Bathing
- B. Mending D. Washing
25. Which of the following is the importance of adding starch to the clothes in laundry
- A. To refreshen the fibers
- B. Remove soap
- C. To loosen dirty
- D. Give stiffness to garments
26. Which of the following is the source of energy giving food
- A. Water C. Bwemba
- B. Fish D. Honey

27. Which of the following food nutrients when included in the diet of children can prevent kwashiorkor?
- A. Proteins C. iron
B. Vitamin A D. Iodine
28. Which of the following food is not suitable for dry frying?
- A. Sausage C. Bwanoni
B. Chips D. Mafulufute
29. Which of the following best describes a manual worker?
- A. People not involved in heavy work
B. People who do heavy work
C. People who are ill
D. People who are recovering from illness

Study figure 5 below and answer question 30 and 31



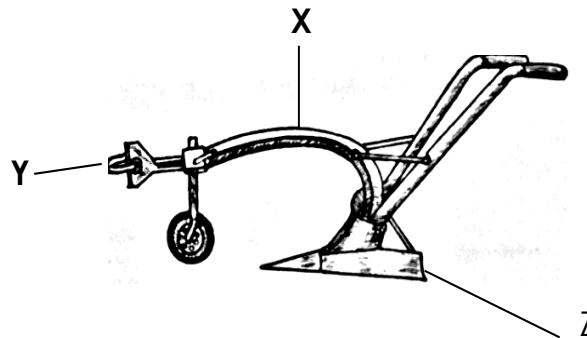
30. What is the name of the ray marked M?
- A. Refracted ray C. incident ray
B. Reflected ray D. emergent ray
31. Find angle marked Z if angle marked Y is 50°
- A. 90° C. 50°
B. 80° D. 40°
32. What is the name of the electric symbol below?
- 
- A. Cell C. switch
B. Bulb D. fuse
33. Where in the body does the absorption of water take place?
- A. Gullet C. Large intestine
B. Stomach D. Small intestine

34. Which of the following is an example of asexual reproduction?
- A. Binary fusion C. Fertilization
B. Binary fusion D. Zygote
35. Which of the following is the effect of premarital sex?
- A. Poor performance at school
B. Puberty
C. Ovulation
D. High performance at school
36. Which of the following seeds are dispersed by animals?
- A. Mangoes C. Cotton seed
B. Bean seed D. Black jack
37. When you throw a stone upwards it returns to the ground. Which of the following causes the stone to return down?
- A. Friction force
B. Elastic force
C. Electrostatic force
D. Gravitational force
38. Which of the following are the advantages of a traditional kitchen over a modern kitchen?
- 1) It has a working surface
 - 2) Easy to maintain
 - 3) Cheap to construct
 - 4) It has limited space
- A. 1 and 2 C. 1 and 4
B. 2 and 3 D. 3 and 4
39. Which of the following characteristics shows that a cow is a mammal?
- A. Presence of feathers
B. Has two legs
C. Has mammary glands
D. Laying eggs
40. Which part of the bean seed allows water and air to enter the bean seed?
- A. Hilum C. Testis
B. Cotyledon D. Micropyle

SECTION B (60 MARKS)
AGRICULTURE (30 MARKS)

- 41.
- a) Mention two main branches of agriculture (2 marks)
- i. _____
- ii. _____
- b) Explain why farming is regarded as a business (2 marks)
- _____
- _____

Figure 7 bellow is the farm machinery. Use it to answer question 42



- 42.
- a) Name the farm machinery (1 mark)
- _____
- b) Identify parts labelled X and Z (2 marks)
- X. _____
- Z. _____
- c) Explain the functions of the part labelled y (2 marks)
- _____

- 43.
- a) Define percolation? (1 mark)
- _____
- b) State the advantage of ground water (1 mark)
- _____
- c) List down two ways of keeping water safe. (2 marks)
- i. _____
- ii. _____

- 44.
- a) Why is farming calendar important? Give two reasons. (2 marks)
- i. _____
- _____
- ii. _____
- _____
- b) Give two reasons why box ridges are important. (2 marks)
- i. _____
- ii. _____

- 45.
- a) Mr. Dziko is a farmer in Phalombe district. He wants to grow tea in Mulanje district. Which principle of farm business has Mr. Dziko used (1 mark)

b) Define the term farm records. (1 mark)

c) State any two ways in which records are important on the farm. (2 marks)

- i. _____
- ii. _____

d) Name any two factors of production (2 marks)

- i. _____
- ii. _____

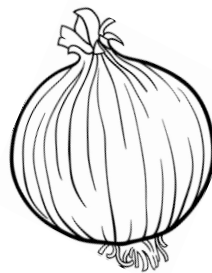
46. a) Mention any two ways of managing a woodlot. (2 marks)

- i. _____
- ii. _____

b) Why is thinning important in flowers? Give two points. (2 marks)

- i. _____
- ii. _____

Figure 8 is showing a type of vegetable. Use it to answer question 47



47. a) Name the class of the vegetable. (1 mark)

b) State two importance of vegetable shown above. (2 marks)

- i. _____
- ii. _____

SCIENCE AND TECHNOLOGY (30 MARKS)

48. a) State any two signs and symptoms of round worms. (2 marks)

- i. _____
- ii. _____

b) How can we prevent contracting COVID-19. Give two ways (2 marks)

- i. _____
- ii. _____

c) How can cholera penitent be assisted before taken to hospital. (2 marks)

49. a) Catherine went to buy soap from Nampula shop. Unfortunately, the salt fell int the sand. Explain how she could separate salt from sand. (2 marks)

- b) Give any two reasons why mixtures are useful in everyday life (2 marks)
- i. _____
- ii. _____

Study the figure bellow and use it to answer question 50



- 50.
- a) Name the part labeled L and M. (2 marks)
- L. _____
- M. _____
- b) Name the substance produced by part labelled L (1 mark)
- _____
- c) What is the function of the part labeled K? (1 mark)
- _____
- d) Explain any two ways how a honey bee is a useful insect. (2 marks)
- i. _____
- ii. _____
- 51.
- a) Explain the function of a pupil in a human eye. (1 mark)
- _____
- b) Give any two functions of the skeleton. (2 marks)
- i. _____
- ii. _____
- c) List two causes of damage to the brain. (2 marks)
- i. _____
- ii. _____
- 52.
- a) Why do the elderly meals contain a lot of minerals and vitamins? (2 marks)
- _____
- _____
- b) Define stewing as a method of cooking? (2 marks)
- _____
- _____
- c) Which part of the body stores excess food? (1 mark)
- _____
- d) Write down the two functions of the placenta. (2 marks)
- i. _____
- ii. _____

END OF QUESTION PAPER