



**THE LILONGWE CITY EXAMINATION BOARD**  
**2024 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATIONS**

**PRIMARY SCIENCE**  
**(100 Marks)**

**Subject Number: P163**  
**Time Allowed: (2hrs)**  
**8:00 – 10:00AM**

**Date:** \_\_\_\_/\_\_\_\_/2024

**NAME OF CANDIDATE:** \_\_\_\_\_

(Surname first)

**NAME OF SCHOOL:** \_\_\_\_\_

**Instructions**

1. This paper contains **7pages**. 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 **11 structured questions**. Write your answers to this section on the question paper in the spaces provided. The maximum number of marks for each answer is indicated against the questions.
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, school name, and examination number** on the question paper.
  - Please hand in your filled-in question paper to the invigilator at the end of the examination.

Question Number	Tick 41-50 if answered	Do not write in these columns	
1 – 40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			

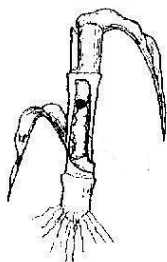
**SECTION A (40MARKS)**

**AGRICULTURE**

1. Which of the following is the food crop?
 

A. Meat	C. Maize
B. Cotton	D. Tobacco
2. What do you call the following crops, tea, tobacco and cotton
  - A. Money growing
  - B. Food crops
  - C. Subsistence crops
  - D. Cash crops
3. Which of the following is a way of improving quality of water?
  - A. Cutting down trees
  - B. Construction of dam
  - C. Adding choline
  - D. Putting waste in rivers
4. Which of the following is a farm business activity?
  - A. Record keeping
  - B. Sales keeping
  - C. Receipt keeping
  - D. Farm keeping

**Figure 1 is a diagram of a crop attacked by a pest. Use it to answer question 5 to 7**



5. Identify the pest
 

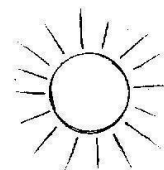
A. Locust	C. Weevil
B. Stalk borer	D. Aphid
6. Which of the following crops is attacked by the pest?
 

A. Paw paw	C. Pine apple
B. Groundnuts	D. Maize
7. Which of the following parts of a plants is attacked by the pest?
 

A. Stalk	C. Grain
B. Leaf	D. Root

8. When is the best time to stock ponds?
  - A. Throughout the day
  - B. Afternoon
  - C. During cool weather
  - D. During hot weather
9. Why is trimming important?
  - A. It restrict growth
  - B. Make a desirable shape
  - C. Sucking plants
  - D. Eating leaves
10. What type of feed is given to broilers of a day to four weeks?
  - A. Broiler finisher mash
  - B. Chick starter mash
  - C. Broiler starter mash
  - D. Growers mash

**Figure 2 is an illustration showing the importance of the major elements of the agricultural environment. Use it to answer question 11 and 12**



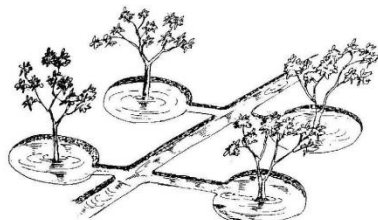
11. Identify the major elements of agricultural environment shown in figure 2 above
 

A. Wild	C. Beans
B. Plants	D. Sunlight
12. What is the importance of the major element of the agricultural environment in the illustration?
  - A. Source of income
  - B. The sun
  - C. Dries the farm produce
  - D. Source of food
13. What are the two agricultural activities that are involved in agriculture among the following
  - i. Growing field crops
  - ii. Going to school
  - iii. Keeping of bees
  - iv. Learning agriculture

A. i and ii	C. ii and iv
B. ii and	D. i and iii

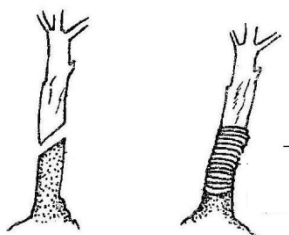
14. If a farmer bought 2 bags of fertilizer at K20,000 each, 3 packers of maize seed at K1,500 each and paid K10,000 for labourers. How much money did he spend altogether
- A. K24,500                      C. K64, 500  
 B. K54,500                      D. k34,500

15. Identify the method of irrigation shown on **figure 3** below



- A. Drip irrigation  
 B. Basin irrigation  
 C. Sprinkle irrigation  
 D. Flood irrigation
16. Which crop is good for the method of irrigation shown
- A. Maize                              C. Fruit trees  
 B. Rice                                D. Groundnuts

**Figure 4 is a diagram. Study it and answer the questions that follow**



17. Identify the method of propagating fruits shown in the figure
- A. Use of suckers  
 B. Budding  
 C. Grafting  
 D. Seed propagation
18. Which two fruits can be propagated using the method shown above?
- A. Oranges and bananas  
 B. Lemons and pineapples  
 C. Lemons and mangoes  
 D. Mulberries and mangoes
19. Which of the following is a solution to the problem of seasonality of produce in agricultural marketing

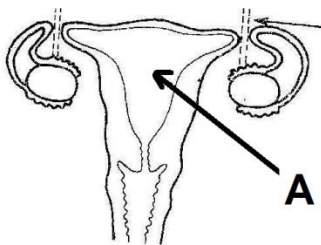
- A. Selling the produce when plenty  
 B. Storing the produce when plenty  
 C. Packaging the produce in container  
 D. Keeping the produce near market
20. What is the importance of apiculture?
- A. It attracts tourists  
 B. It is a source of income  
 C. It is a source of water  
 D. Through increased food supply

**SCIENCE AND TECHNOLOGY**

21. Identify the vegetables that help to boost the immune system
- A. Moringa                              C. Neem  
 B. Beans                                D. Groundnuts
22. Why fish and sea foods are best for people living with HIV and AIDS
- A. They are soft and easy to eat  
 B. They contain protein  
 C. They can be eaten fresh  
 D. HIV and AIDS people have weak digestive
23. Which of the following is not the symptom of worm infestation
- A. Pain in the stomach  
 B. Obstruction of intestine  
 C. Diarrhoea  
 D. Dizziness
24. Which sense organ controls body temperature
- A. Tongue                                C. Eye  
 B. Skin                                    D. Nose
25. Why is a bat a mammal?
- A. Lay eggs  
 B. Live on land and in water  
 C. Bear live young ones  
 D. Have scary body
26. Which of the following parts of blood help in clotting?
- A. White blood cells  
 B. Platelets  
 C. Red blood cells  
 D. Plasma
27. Which name refers to people who eats vegetables only?
- A. The elderly                              C. Invalid  
 B. Convalescent                            D. Vegetarian

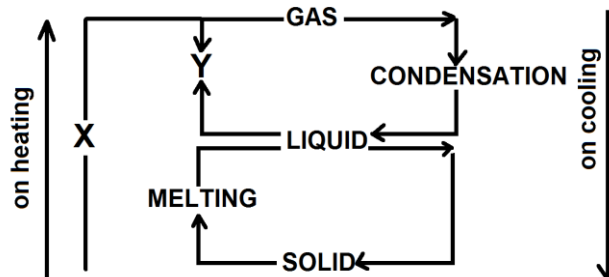
28. When you throw a stone upwards it returns to the ground. Which of the following forces cause the stone to return
- Electric force
  - Gravitational force
  - Friction force
  - Electrostatic force

Figure below is a diagram showing method of family planning .Use it to answer question 29 and 30



29. Identify the family planning above
- |                   |                |
|-------------------|----------------|
| A. Tubal ligation | C. Spermicides |
| B. Norplant       | D. Vasectomy   |
30. What name is given to the part marked A
- |            |           |
|------------|-----------|
| A. Oviduct | C. Uterus |
| B. Vagina  | D. Ovary  |
31. Name two nutritional deficiency diseases
- Headache and diarrhoea
  - Pneumonia and scurvy
  - Malaria and goiter
  - Kwashiorkor and marasmus
32. Which of the following people is a manual worker?
- |             |              |
|-------------|--------------|
| A. Manager  | C. Secretary |
| B. Labourer | D. Lawyer    |
33. Name the wall of muscles between the chest and the stomach which helps to control breathing
- |              |             |
|--------------|-------------|
| A. Diaphragm | C. Diameter |
| B. Lungs     | D. Heart    |

Figure 6 shows the changes of states of mater. Use it to answer question 34 and 35



34. Which process is represented by letter Y
- |                 |                |
|-----------------|----------------|
| A. Freezing     | C. Evaporation |
| B. Condensation | D. Melting     |
35. What do you call the change form liquid to solid?
- |             |                 |
|-------------|-----------------|
| A. Melting  | C. Condensation |
| B. Freezing | D. Evaporation  |
36. Which of the following organs regulates the amount of food transported by blood in the body
- |           |          |
|-----------|----------|
| A. Kidney | C. Lungs |
| B. Heart  | D. Liver |
37. Which method would be used to separate a mixture of salt solution?
- Evaporation
  - Distillation
  - Hand picking
  - Sieving
38. Which of the following is the disadvantage of roasting food?
- The food looks attractive
  - Flavour is improved
  - Does not make the food tender
  - Is a cheap method of cooking
39. Which of the following is problem associated with digestive system?
- |                 |                     |
|-----------------|---------------------|
| A. Pancreas     | C. Haemorrhoids     |
| B. Constipation | D. Intestinal ulcer |
40. Name a disease which affect the breathing system
- |            |             |
|------------|-------------|
| A. Asthma  | C. Dirrhoea |
| B. Malaria | D. Headache |

**SECTION B (60MARKS)**

**AGRICULTURE**

**Figure 7 is a diagram of indigenous farm technology**



41. (a) Identify the indigenous farm technology in the above figure
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_ 2marks
- (b) Give the use of the indigenous farm technology \_\_\_\_\_ 1mark
- (c) State three ways in which agriculture is important to the nation
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_ 3marks
42. (a) Give two disadvantages of a skyloo toilet
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_ 2marks
- (b) Define the term farm records \_\_\_\_\_ 1mark
- (c) Why is it important for a farmer to keep farm records (Give two)
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_ 2marks
43. (a) State two characteristics of goats suitable for breeding
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_ 2marks
- (b) What are the three human activities that can lead to water pollution?
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_ 2marks
- (c) Where should the following trees be planted in the agroforestry plot?
- i. Trees that add nutrients to the soil  
\_\_\_\_\_
  - ii. Trees that shed other crops  
\_\_\_\_\_ 2marks
44. (a) What are the three ways of preserving fish?
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_ 3marks
- (b) What are the three types of cattle houses?
- i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_ 2marks

(c) Give any two characteristics of a good animal house

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

45. (a) State two reasons why mulching is important?

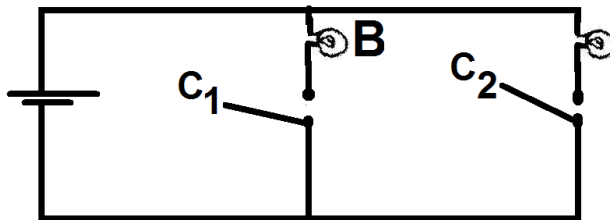
- i. \_\_\_\_\_
- ii. \_\_\_\_\_ 2marks

(b) Write down any crop husbandry practices

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

**SCIENCE AND TECHNOLOGY**

Figure 8 shows a circuit study it and use it to answer the questions below



46. (a) Name the circuit above

\_\_\_\_\_ 1mark

(b) Why is the circuit above better than series? (Give two reasons)

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

(c) What will happen to bulb B if switch C1 is closed?

- i. \_\_\_\_\_ 1mark

(d) Give two ways of generating electricity using locally available resources

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

47. (a) Draw a leaf and label two parts of it

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

(b) Mention two leaf arrangements

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

(c) Why are leaves important?

\_\_\_\_\_ 1mark

48. (a) Write down three functions of a skeleton

- i. \_\_\_\_\_
- ii. \_\_\_\_\_
- iii. \_\_\_\_\_ 2marks

(b) Give two reasons why people become vegetarians

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

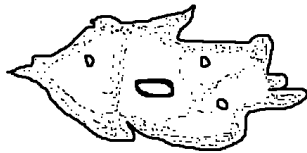
(c) What is the difference between flowering and non – flowering plants?

\_\_\_\_\_ 1mark

49. (a)Mention any two vertebrates animals which uses camouflage as a way of protecting themselves

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

(b) **Figure 9** below is a microscopic organism what is the name given to it?



\_\_\_\_\_ 1mark

(c) To which group of invertebrates does the organism belong?

\_\_\_\_\_ 1mark

50. (a)What do we call animals that do the following:

- i. Eat plant only \_\_\_\_\_
- ii. Eat other animals \_\_\_\_\_
- iii. Eat both plants and animals \_\_\_\_\_ 3marks

(b) What are the two categories of fibre from which fabrics are made

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

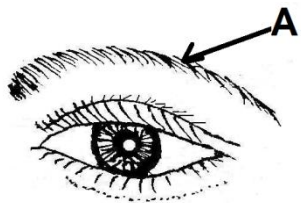
(c) Why should coloured articles be dried in the shade

\_\_\_\_\_ 1mark

(d) Which instrument is used to detect the beating of the heart?

\_\_\_\_\_ 1mark

51. The illustration below is an external parts of the eye. Study it and use it to answer question that follow.



a. Identify part labelled A

\_\_\_\_\_ 1mark

b. What is the function of Iris?

\_\_\_\_\_ 1mark

**END OF QUESTION PAPER**