

LUDZI ZONAL EXAMINATION BOARD

2023-2024 PRIMARY LEAVING CERTIFICATE OF EDUCATION MOCK EXAMINATION

PRIMARY SCIENCE

(100 Marks)

Date:

Subject Number:

Time allowed: 2hrs

8:00 – 10:00am

Name of Candidate: _____
(Surname First)

Name of School: _____

Instructions:

1. This paper contains 7 printed pages. Please check
2. Write your name and name of your school in the spaces provided above and on top of each page of the question paper.
3. This paper consists of 3 sections: A and B.
4. The first 10 minutes are for reading the questions and choosing the questions to answer from section A.
5. In the table provided on this page, tick against the question number you have answered apart from questions.
6. Hand in your worked question paper to the invigilator when time is called to stop writing.

<i>Question number</i>	<i>Tick questions if answered</i>	<i>Do not write in these columns</i>	
1-40			
41			
42			
43			
44			
45			
46			
47			
48			
49			

SECTION A: MULTIPLE CHOICES (40MARKS)**AGRICULTURE (20 MARKS)**

1. Which statement that best describes the meaning of "Farm Record"
 - A. Daily information that a farmer used to carry out activities on a farm.
 - B. Information used to buy farm inputs.
 - C. Written information that farmers keep on different activities carried on a farm
 - D. Different record that may assist farmers to have enough yield.
2. What is the other name of Drip Irrigation?
 - A. Sprinkler irrigation
 - B. Trickle irrigation
 - C. Bucket irrigation
 - D. D. Basin Irrigation
3. Why is it importance to paint the farm implement?
 - A. To avoid rust damaging the farm implement
 - B. To avoid direct sunlight on the farm implement
 - C. For proper usage of the farm implement
 - D. For easy keeping of the farm implement.
4. Name the farm too above.

A. Rake	C. shovel
B. Trowel	D. Fork
5. What is the use of the farm tool in **question 4**?
 - A. Levelling seed beds
 - B. Lifting seedlings
 - C. Loosening soil in the garden
 - D. Clearing bushes
6. Which of the following tree species is used as feeder for animals?

A. Mthethe	C. leaucaena
B. Msangu	D. acasia
7. Which of the following crops can be propagated by grafting method?

A. Oranges	C. pawpaw
B. Bananas	D. sugarcane
8. Which one is a characteristic of a good hen?

A. Small legs	C. Bright eyes
B. It should be tall	D. strong feathers
9. Which of the following is a way of improving soil fertility?
 - A. Cultivating along the slope
 - B. Controlling pests and diseases in crops
 - C. Applying manure
 - D. Weeding every week
10. Which of the following is a way of improving quality of water?
 - A. Cutting down trees
 - B. Constructing of dams
 - C. Adding chlorine
 - D. Putting wastes in rivers
11. Which of the following practice leads to water pollution?

Figure 1. Show a farm tool. Use it to answer question 4 and 5.



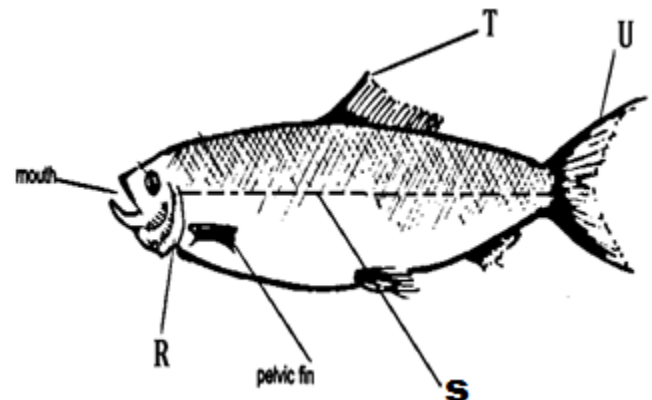
- A. Applying organic matter
 - B. Using vegetable cover
 - C. Using contour ridges
 - D. Disposing human waste on land
12. Which one is a feeding habit of Goat?
- A. Browsing
 - B. Mowing
 - C. chewing
 - D. cutting
13. Which of the following is not a physical farm record?
- A. Field operation record
 - B. Sales records
 - C. Crop records
 - D. Labour record
14. Why Agriculture is important?
- A. It promotes smart houses
 - B. It promotes relation among people
 - C. It controls soil erosion
 - D. It provides food for families.
15. Mention two common farm tools used for cutting down trees.
- A. Slasher and axe
 - B. Sickle and rake
 - C. An axe and panga knife
 - D. Hoe and hand fork
16. Which of the following terms refers to everything that surrounds crops and farm animals?
- A. Business
 - B. Agricultural environment
 - C. Soil
 - D. Agriculture
17. Which of the following crops is a variety of cassava?
- A. Manyokola
 - B. Malimba
 - C. baka
 - D. kakoma

18. Which of the following plants is a feed for fish in a pond?
- A. Star grass
 - B. Shrub
 - C. witch weed
 - D. plankton
19. Which of the following layers of soil has the highest organic matter?
- A. Sub soil
 - B. Top soil
 - C. weathered rock
 - D. parent rock
20. Which of the following is a leaf vegetable?
- A. Lettice
 - B. Tomato
 - C. egg plant
 - D. carrot

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21. Which of the following are organisms that feed on another living organism?
- A. Fungi
 - B. Virus
 - C. Parasite
 - D. Bacteria

Figure 2: is a diagram showing the external parts of fish. Use it to answer questions 22 to 24.



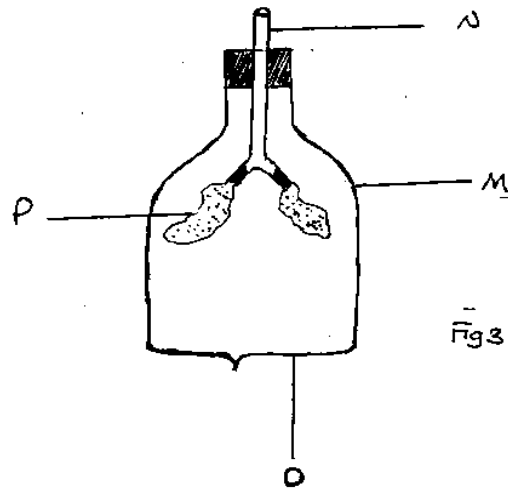
22. Identify the part marked R.
- A. Anal fin
 - B. Operculum
 - C. Dosal fin
 - D. scale
23. Which of the following part of fish helps to move forward?
- A. U
 - C. T

Examination Number:

- B. S D. R
- 24. Which part of the fish drawn above helps fish to detect dangers?
A. T C. U
B. S D. R
- 25. What is the function of platelets in the body?
A. It helps in blood clotting
B. It helps to transfer oxygen
C. It helps to carry food through the river
D. It helps in regulating body temperature
- 26. Identify a non- flowering plant from the following plants.
A. Beans C. Mangoes
B. Rice D. Moss
- 27. what do we call the union of the sperm and an egg?
A. Ovulation C. Orgasm
B. Conception D. Pollination
- 28. Which part of the beans seed grows into plant?
A. Radical C. Plumule
B. Cotyledon D. Hilum
- 29. What is stain?
A. Is a discoloured matter on fabric
B. Black mark on the object
C. Soap used to wash clothes
D. Types of substance used in kitchen
- 30. Which disease is caused by lack of Vitamin D in the body.
A. Anemia C. Rickets
B. Goiter D. Kwashiorkor
- 31. The following are vertebrates **except**.
A. Snake C. Birds

- B. Dog D. Earth worm
- 32. Which of the following is a direct source of light?
A. Sun C. Glass
B. Moon D. Earth

Figure 3 shows a diagram of apparatus for breathing system. Use it to answer question 33 and 35.



- 33. The part labelled O represents the ____
A. Lung C. diaphragm
B. Right bronchus D. heart
- 34. What is the function of the parts labelled N?
A. It is where the food passes through to the stomach
B. It is where air passes to the lungs
C. It helps to clean the air
D. It helps in removing discharges.
- 35. Which part on the diagram represents the Chest Cavity?
A. P C. N
B. O D. M
- 36. Which source of attraction the Earth has?
A. Magnetic source

- B. Gravitation source
 - C. Electrostatic source
 - D. Condensation source
37. Which plant amongst the plant has elect stem?
- A. Sweet potatoes C. Maize
 - B. Kapinga grass D. Coil flowers.
38. Which of the following disease has the sign of blood in gums?
- A. Goiter C. scurvy
 - B. Rickets D. Anemia

39. The food chain has the following items: Grasshopper, chicken, grass and hawk. Which one is a food producer?
- A. Chicken C. Grasshopper
 - B. Grass D. Hawk.
40. Why water is important in the body?
- A. It helps in transferring of food to all parts of the body
 - B. It helps the liver in distributing food nutrients to the body
 - C. It helps in regulating body temperature
 - D. Control metabolic reaction

SECTION B (60 MARKS)
AGRICULTURE

41. (a). Define the term Soil erosion.
- _____ 1 mark
- (b). Mention two types of soil erosion.
- i. _____ 1 mark
 - ii. _____ 1 mark
- (c). To which types of soil does the soil erosion occur mostly.
- _____ 2 mark
42. (a). What are fingerlings?
- _____ 2 marks
- (b). Name the place where controls the overflowing of water in pond.
- _____ 2 marks
- (c). State two signs of overfeeding fish in a pond.
- i. _____ 2 marks
 - ii. _____ 2 marks
43. (a). What is a farming calendar?
- _____ 1 mark

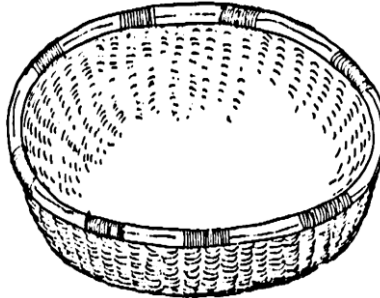
(b). Mention two activities done in farming calendar.

- i. _____ 1 mark
- ii. _____ 1 mark

(c). State two importance of farming calendar.

- i. _____ 2 marks
- ii. _____ 2 marks

Figure 4 is a diagram shows one of agricultural technology. Use it to answer question 44a to 44c.



44. (a) Name the agricultural technology above. _____ 1 mark

(b). Mention two function of the agricultural technology above.

- i. _____ 2 marks
- ii. _____ 2 marks

(c). Name the material used to make the agricultural technology.

_____ 1 mark

45. (a). Define the term Commercial Farming.

_____ 1 mark

(b) Mention two crops under- commercial farming.

- i. _____ 1 mark
- ii. _____ 1 mark

(c). Give one importance of Commercial Farming.

_____ 1 mark

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46. (a). Define the term "Joint"

_____ 1 mark

(b). Mention two types of joint.

- i. _____ 2 marks
- ii. _____ 2 marks

(c). Mention two examples of muscles.

- i. _____ 2 marks
- ii. _____ 2 marks

47. (a). State two properties of gases.

i. _____ 2 marks

ii. _____ 2 marks

(b). Define the term solute.

 _____ 2 marks

(c). *Classify the following invertebrates into protozoa and arthropods, amoeba, millipede, crab, spider and plasmodium.*

PROTOZOA	ARTHROPODS

48. (a) What are microscopic animals?

 _____ 2 marks

(b). State one importance of leaf to a plant.

 _____ 2 marks

c). Which term is used to a sexual reproduction which does not involve the fusion of Male and Female gametes?

 _____ 2 marks

49. (a). Define the term Electric Circuit.

 _____ 1 mark

(b). Mention two types of electric circuit.

 _____ 1 mark

(c). Give two sources of electricity.

i. _____ 2 marks

ii. _____ 2 marks

END OF QUESTION PAPER IIIII.