

ZOMBA RURAL DISTRICT EXAMINATION BOARD

2024 PSLCE MOCK EXAMINATIONS

PRIMARY SCIENCE

(100 marks)

Date: 30th March, 2024

Time allowed: 2hrs

08:00 – 10:00 am

LEARNER'S NAME: _____

(Surname first)

NAME OF SCHOOL: _____ ZONE _____

Instructions:

- This paper contains 8 pages. Please check.
- 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 is indicated against each question.
- Answer **all** questions.
- In the table provided on this page, **tick** against the number of the question you have answered.
- IMPORTANT**
 - Please, make sure you have written your **name**, **school name** and **zone** on the question paper.
 - Please, hand in your filled in question paper to the **invigilator** at the end of the examination.

| Question Number | Tick if answered | Do not write in these columns | |
|-----------------|------------------|-------------------------------|--|
| 1 – 40 | | | |
| 41 | | | |
| 42 | | | |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| | | | |

EXAMINATION NUMBER: _____
SECTION A: MULTIPLE CHOICE (40 marks)

Encircle the letter that best represents the correct answer

AGRICULTURE (20 marks)

1. To which sub-branch of agriculture does the growing of rose flower belongs?
A. floriculture C. agroforestry
B. silviculture D. arboriculture

2. Why are fish source of raw materials?
A. for the provision of proteins
B. for the production of animal feeds
C. for the provision of money
D. for the production of biscuits

3. Which of the following pests transmit Cassava mosaic disease?
A. White flies
B. aphids
C. green spider mites
D. grasshopper

Figure 1 is a diagram showing a farmer tending flowers. Use it to answer question 4 and 5



4. Name the method of tending flower
A. trimming
B. cutting
C. pruning
D. thinning

5. Which of the following is the importance of the methods?
A. train the plants
B. make a desirable shape
C. maintain beauty of the flowers

- D. make the flower plants less bushy

6. Which of the following fruits do well in areas where rainfall is distributed throughout the year?
A. Bananas
B. pineapples
C. avocado peas
D. peaches

7. Which farm business activity deals with the methods of production?
A. Where to produce
B. How to produce
C. What to produce
D. How much to produce

8. Which of the following is a safety measure when using a treadle pump?
A. greasing all moving parts
B. checking the pulley before use
C. the yoke strip should be strong
D. bolts and nuts should be tightened before use

9. Which of the following methods of weeding involves burying weeds along the ridge?
A. banking
B. banding
C. light hoeing
D. uprooting

10. Which of the following is the sign of east coast fever in cattle?
A. coughing
B. rapid breathing
C. sleepiness
D. excessive salivation

11. Why should fish pond be stocked during the cool weather?
A. because fingerings multiply
B. because parasites can not attack
C. because few fingerings die
D. because diseases can not attack

EXAMINATION NUMBER: _____

12. How can a farmer note that a rabbit is hungry?

- A. it cries loudly
- B. it makes a lot of noise
- C. it is unable to move
- D. it comes to meet the farmer when approaching the khola

13. Which of the following layers of soil are crops mostly grown?

- A. top soil
- B. weathered rock
- C. sub soil
- D. parent rock

14. What is the use of a lance in a sprayer

- A. creates pressure
- B. controls amount of spray
- C. allows a spray to pass
- D. delivers spray

15. Which of the following leaf vegetable field bed management practices reduces weed growth by suffocating its seedlings

- A. weeding
- B. mulching
- C. supplying
- D. manure application

A vegetable farmer had the following transactions on his farm. Use it to answer questions 16 and 17

Bought cabbage seeds at K5000.00
Bought insecticides at K4000.00
Sold 100 heads of cabbage at K30000.00
Bought 25kg of fertilizer at K35000.0

16. What were the total expenditure?

- A. K9 000.00
- B. K44 000.00
- C. K34 000.00
- D. K65 000.00

17. What was the farmer's loss?

- A. K5 000.00
- B. K26 000.00
- C. K14 000.00
- D. K4 000.00

A farmer brought a Brahman bull into his khola. Use this information to answer questions 18 and 19

18. Which method of cattle improvement has the farmer done

- A. introduction
- B. out breeding
- C. selection
- D. cross breeding

19. Which of the following can be the aim of the farmer?

- A. to improve milk production
- B. to improve resistance of diseases
- C. to improve mohair production
- D. to improve meat production

20. Which of the following is an example of indigenous trees?

- A. leucaena
- B. Cinderella
- C. Neem
- D. Msangu

SCIENCE AND TECHNOLOGY

21. Which of the following diseases is the result of obesity

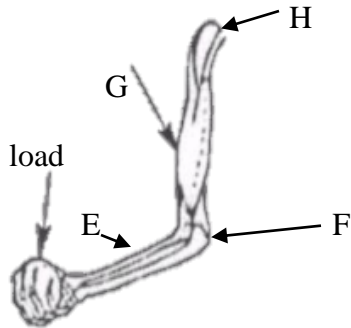
- A. gout
- B. kidney failure
- C. Diabetes
- D. Anaemia

22. Which of the following technologies makes objects visible?

- A. reflector
- B. microscope
- C. telescope
- D. projector

23. Which of the following animals is an arthropod?
- | | |
|------------|-----------|
| A. Snails | C. crab |
| B. Octopus | D. oyster |

Figure 2 shows one of the classes of lever. Use it to answer questions 24 and 25



24. Which part will move in order to lift the load
- | | |
|------|------|
| A. H | C. E |
| B. G | D. F |
25. Which letter represents effort?
- | | |
|------|------|
| A. G | C. E |
| B. H | D. F |

26. What is the use of a monitor in the computer?
- A. enter information into the processor
 B. control a cursor
 C. enable users to see what they are doing
 D. produce a printed copy

27. Which of the following is a female part of the flower?
- A. anthers
 B. filament
 C. style
 D. petal

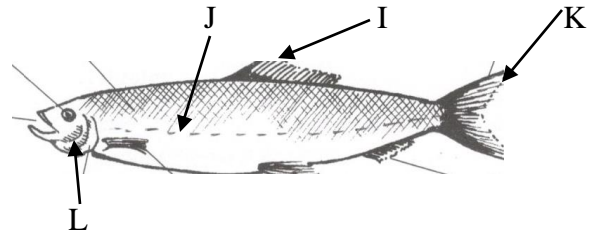
28. Which of following items are used to brighten white articles?
- A. Soap
 B. Bleaches
 C. Water
 D. Starches

29. Which of the following diseases can be prevented by body hygiene
- A. scabies
 B. malaria
 C. goiter
 D. diarrhoea

30. Why is it advisable to drink more water during hot conditions?
- A. to avoid dehydration
 B. to avoid cholera
 C. to avoid constipation
 D. to avoid high blood pressure

31. Which of the following results from blocking the wind pipe?
- | | |
|----------------|-------------|
| A. suffocation | C. fainting |
| B. smothering | D. choking |

Figure 3 is a diagram showing external parts of a fish. Use it to answer question 32 and 33



32. Identify the part labeled K
- | | |
|-----------------|---------------|
| A. anal fin | C. tail fin |
| B. pectoral fin | D. dorsal fin |

33. Which part is used for detecting sounds
- | | |
|------|------|
| A. K | C. L |
| B. I | D. J |

34. Which of the following parts of the blood controls bleeding?
- A. platelets
 B. white blood cells
 C. red blood cells
 D. plasma

35. Why does a vacuum flask have the inner silvered glass
- A. to beautify the flask

- B. to transfer heat
- C. to strengthen the flask
- D. to reduce loss of heat

36. Which of the following parts of the human brain is the largest?

- A. cerebellum
- B. cerebrum
- C. medulla oblongata
- D. spinal cord

37. Which of the following diseases can be prevented by providing food rich in protein to children?

- A. rickets
- B. anaemia
- C. kwashiorkor
- D. scurvy

38. Which of the following food is suitable for a strict vegetarian?

- A. sausage
- B. beans
- C. milk
- D. eggs

39. Which of the following methods of cooking is not suitable for sedentary workers?

- A. boiling
- B. grilling
- C. baking
- D. frying

40. Which of the following methods of separating mixtures produces Kachaso?

- A. distillation
- B. evaporation
- C. filtration
- D. decanting

SECTION B (60 marks)

AGRICULTURE (30 marks)

41. a. Give two reasons why farmers should practice irrigation farming (2 marks)

b. How can each of the following weather change affect agricultural production?

i. Drought (1 mark)

ii. Wind (1 mark)

c. State any one way of improving the quality of water for domestic use (1 marks)

42. a. Why should excessive watering be avoided in flower nursery management? (2 marks)

b. Figure 4 is a diagram of the method of propagating fruits. Use it to answer questions that follow



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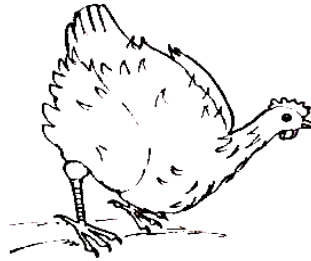
(i) Name the method of fruit propagation shown above **(1 marks)**

(ii) State any two fruits that can be propagated using this method **(2 marks)**

43. a. State any two importance of housing farm animals properly. **(2 marks)**

b. Explain how parasites in animals can be controlled through drenching? **(2 marks)**

c. Figure 5 is a diagram of a chicken that has been attacked by a disease. Use it to answer questions that follows.



(i) Identify the disease that has attacked the chicken **(1 mark)**

(ii) Name two signs of the disease **(2 marks)**

44. a. Write down two ways of keeping grass short around a fish pond **(2 marks)**

b. Describe each of the following feeding habits of goats

(i) grazing **(1 mark)**

(iii) browsing **(1 mark)**

45. a. Explain how a farmer can feed boilers of the following ages

(i) day old to three weeks **(1 mark)**

(ii) 4 weeks to 5 weeks **(1 mark)**

(iii) 6 weeks to 8 weeks **(1 mark)**

b. Why is it important to feed fish in a pond at the same time and place each day? (3 marks)

46. a. State any **one** way of maintaining a hand trowel (1 mark)

b. Mention any **two** safe ways of handling farm tools (2 marks)

SCIENCE AND TECHNOLOGY (30 marks)

47. a. State **one** product of photosynthesis (1 marks)

b. Classify the following animals into carnivores and omnivores (5 marks)

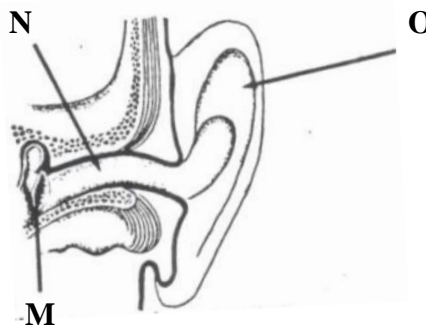
Monkey, Crocodile, Tiger, Dog and Cat

Carnivores: _____

Omnivores: _____

48. a. State any **two** application of changes of state of matter in daily life (2 marks)

b. Figure 6 is a diagram of a human ear. Use it to answer question that follow



(i) Name the parts labelled M and O

M _____ (1 mark)

O _____ (1 mark)

(ii) What is the function of the part labelled N?

_____ (2 marks)

c. Mention any two problems of the ear

(2 marks)

(i) _____

(ii) _____

49. a. State **one** function of the muscles in the body

(1 mark)

b. Describe **one** function of the tongue in digestion (2 marks)

50. a. Define smothering (1 mark)

b. State **two** examples of food that can be eaten to care for the eye (2 marks)

51. a. Give **two** health risks of information and communication technologies (2 marks)

b. Mention any **one** problem of each of the following classroom technologies

i. Chalkboard (1 mark)

ii. Paper (1 mark)

52. a. Name any **two** effects of food taboos (2 marks)

b. List any **three** groups of people depending on nutritional needs (3 marks)

c. State two signs of scurvy (2 marks)

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End of Question Paper