

ZOMBA URBAN DISTRICT MOCK

2021 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMINATION

PRIMARY SCIENCE (100 Marks)

Friday, 25th June

Time allowed: 2 Hours
8:00 - 10:00am

Name of Candidate _____

Name of school _____

INSTRUCTIONS

1. This paper has two Sections **A** and **B**
2. Answer all Questions in section **A** and **B**
3. Section **A**, encircle the correct letter representing the correct answer.
4. **IMPORTANT**
 - Please make sure you have written your **name** on the question paper in the space provided.
 - Hand in your question paper to the **Invigilator** when time is called to stop writing.

Question Number	Tick Questions if answered	Do not write in these columns	
1-30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			



PRIMARY SCIENCE
SECTION A: MULTIPLE CHOICE
(40 MARKS)
AGRICULTURE

1. Which of the following is an example of cash crop?
 - a. Papaw b. Mangoes
 - c. Cabbage d. Tea
2. The following are the problems of farm business except
 - a. What to produce b. How to produce
 - c. Things to sell d. How much to produce
3. To which sub-branch of agriculture does the growing of both fruits and vegetables belong?
 - a. Olericulture b. Pomoculture
 - c. Floriculture d. Horticulture
4. Why should a farmer add manure to a fish pond?
 - a. To improve the growth of planktons
 - b. To kill fish predators
 - c. To reduce temperature of water
 - d. To feed the fish
5. The following is the way of controlling pest and diseases in flowers except
 - a. Using clean planting materials
 - b. Interplanting with strong smelling plants
 - c. Applying chemicals
 - d. Measure the desirable height
6. Which of the following agro-forestry involves planting trees and shrubs?
 - a. Folder bank b. Live fence
 - c. Improved fallow d. Alley cropping

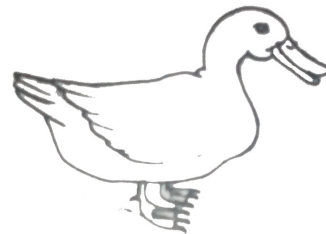
Fig 1: is a diagram of a crop attacked by the pest. Use it to answer question 7 and 8



7. Identify the pest
 - a. Weevils b. Army worm
 - c. Locust d. Stalkborer
8. Which part of the crop is attacked by the pest
 - a. Grain b. Leaf
 - c. Stalk d. Root

9. Mention two importance of agriculture at family level
 - a. Source of power and trees
 - b. Source of food and income
 - c. Source of school and transport
 - d. Source of lakes and water
10. Which of the following is an example of physical farm record?
 - a. Farm record b. Budgeting record
 - c. Crop records d. Pest and disease records
11. Name two types of composting toilets
 - a. Ardoo and earthworms
 - b. Pesticides and aibalou
 - c. Skyloo and herbicides
 - d. Arboloo and skyloo

Figure 2 below is a diagram showing a farm animal. Use it to answer questions 12 and 13



12. What name is given to a farm animal above?
 - a. Horse b. Pigeon
 - c. Pig d. Duck
13. How can a farmer benefit from the farm animal
 - a. Source of food b. Source of farming
 - c. Source of labour d. Source of manpower
14. Which of the following factors should be considered when choosing a site for a vegetable garden?
 - a. Slope of the land
 - b. Water supply
 - c. Price of vegetable
 - d. Size of the seed
15. Name one function of phosphorus to crops
 - a. For strong root development
 - b. Vegetative growth of plants
 - c. For strong stems
 - d. For weak stems
16. Which of the following is milk goat?
 - a. Toggonburg
 - b. Malawi goat
 - c. Angola
 - d. Somali goat

17. One of the risk in farm business is _____
- Demand
 - Floods
 - Market research
 - Insurance
18. Hand weeding is recommended when weeds are:
- Very close to the plants
 - Very far from the plants
 - When crops are young
 - When crops are well established
19. Why is vegetative cover important in crop production
- It provides firewood
 - It provides timber
 - It reduces pests
 - It conserves soil
20. The following is a way of maintaining farm tools
- Replacing broken handle
 - Cutting maize stalk
 - Cabbage
 - Tea

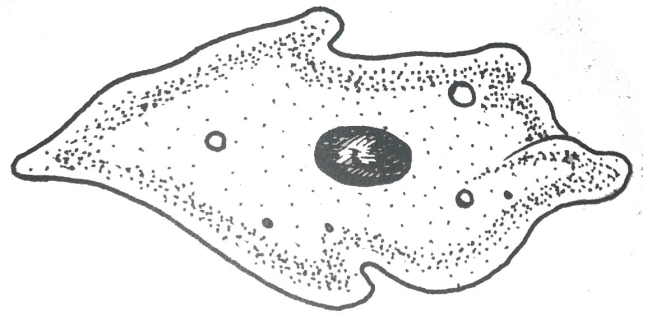
SCIENCE AND TECHNOLOGY

21. Which of the following is the stage of scientific investigation?
- Obtaining experiments
 - Making prediction
 - Information of technology
 - Process of investigation
22. What name is given to the factor that change during a scientific investigation?
- Data
 - Variables
 - Hypothesis
 - Conclusion
23. What food nutrient can be found in cassava?
- Vitamin
 - Minerals
 - Carbohydrates
 - Proteins
24. Which of the following disease is associated with loose teeth?
- Anaemia
 - Scurvy
 - Kwashiorkor
 - Marasmus
25. The following are examples of flowering plants except
- Vice
 - Ferns
 - Tobacco
 - Peas
26. Making food palatable means
- Improving the flavour
 - Improving the appealance

- Improving the quality
- Improving the taste

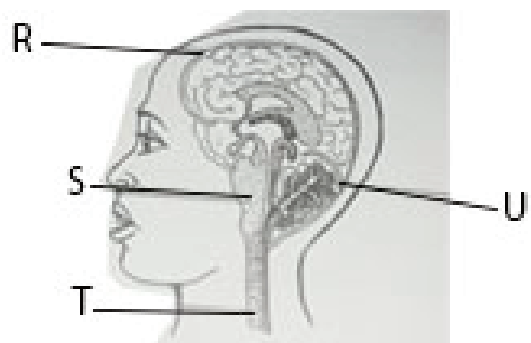
27. Which blood vessel carries blood to the lungs?
- Pulmonary vein
 - Aorta
 - Venacava
 - Pulmonary artery

Figure 3. Below is a diagram of a microscopic organism. Use it to answer questions 28 and 29



28. The name of the microscopic organism is
- Plasmodia
 - Trypanosome
 - Amoeba
 - Octopus
29. To which group of invertebrates does the organism belong?
- Worms
 - Protozoa
 - Molluses
 - Athropods
30. One of the factor to consider when costing toys
- Advertising
 - Organizing a show case
 - Amount of material used
 - Displaying finished products
31. Why is a traditional kitchen very common to use?
- It is not cheap to use
 - It is very expensive to construct
 - It is found in towns only
 - It is cheap and easy to construct

Figure 4 below is a diagram of human brain. Use it to answer questions 32 and 33



32. Identify part labelled T
 a. Medulla oblongata b. Cerebrum
 c. Spinal cord d. Cerebellum
33. Which of the following part controls blood pressure?
 a. Medulla oblongata b. Cerebellum
 c. Spinal cord d. Cerebrum
34. The main way of contracting HIV and AIDS is
 a. Unprotect sexual intercourse
 b. Sharing razor blades
 c. Using unsterilised injecting
 d. Piercing ear using the same needle
35. What name is given to animals that eat other animals
 a. Amphibians b. Herbivores
 c. Carnivores d. Omnivores
36. The process by which an embryo attaches to the uterus is called _____
 a. Birth b. Fertilization
 c. Implantation d. Ejaculation
37. Which of the following preservation technologies remove water from food?
 a. Canning b. Bottling
 c. Salting d. Freezing
38. What name is given to small openings found on a leaf?
 a. Apex b. Leaf stalk
 c. Stomates d. Lamina
39. Which of the following diseases cannot affect the breathing system of human beings?
 a. Jaundice b. Bronchitis
 c. Cancer d. Asthma
40. What is the importance of movement in animals?
 a. To attract enemies
 b. To run away from danger
 c. To receive messages
 d. To change the environmental colour

SECTION B: (60 MARKS) AGRICULTURE

- 41a. Define the term farm records (1mark)

- b. State two importance of keeping farm records (2marks)

- c. Name two major factors of production (2marks)

- 42a. Name one use of sprayer on the farm (1mark)

- b. State any two safety measures when using the sprayer (2marks)

- c. List any two parts of ridger (2marks)

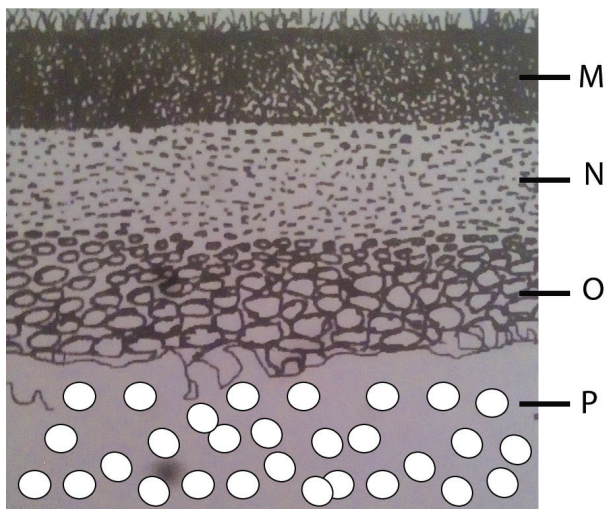
- 43.a. Define the term fish farming (2marks)

- b. State two importance of fish (2marks)

- c. List any two species of fish suitable for farming (2marks)



Figure 5 is a diagram of a soil profile
Use it to answer question 44



44. Name the layers labelled N and P

N _____

P _____
(2marks)

b. Explain why the layer labelled M is suitable for agriculture (1mark)

c. What is soil erosion (1mark)

45.a Define the term 'irrigation' (1mark)

b. Described how sprinkler irrigation is carried out? (2marks)

c. State any one function of a rake (1mark)

46.a Mention two importance of farming calendar (2marks)

b. Give two types of cattle feeds (2marks)

c. State two ways of controlling liver fluke in cattle (2marks)

SCIENCE AND TECHNOLOGY

47a. Give any two agent of pollination (2marks)

b. State any two characteristics of wind pollinated flowers (2marks)

c. Identify the two types of pollination (2marks)

48. a. Name the virus that cause AIDS (1mark)

b. Write down two ways of preventing HIV and AIDS (2marks)

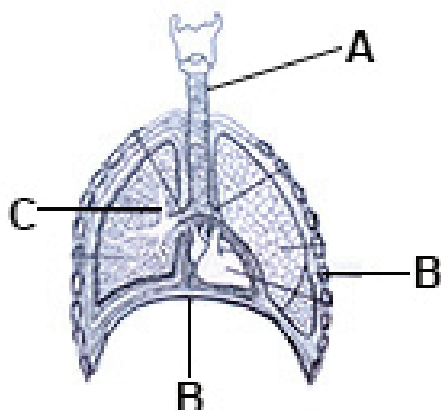
c. List down two common infections associated with HIV and AIDS (2marks)

49a. State any two technologies for domestic use? (2marks)

b. State any two materials for making a winnower? (2marks)

c. State any two centres for a modern Kitchen (2marks)

Figure: 6 is a diagram of the breathing system



50.a. Name the parts labelled A and D (2marks)

b. What is the function of part labelled C? (1mark)

c. What happen to the part labelled B during inspiration (1mark)

51a. Name two types of refuse (2marks)

b. Give one reason why refuse disposal is important in the home (1 mark)

c. State two activities that can lead to destruction of environment (2marks)

d. Mention two technologies for conserving environment (2mark)

52a. Define fertilization (1mark)

b. What happen to the ovary after fertilization in a flower has taken place? (1 mark)

END OF QUESTION PAPER