



MATSIMBE EXAMINATIONS BOARD

ASSESSMENT FOR MARCH, 2021

PRIMARY SCIENCE

(100 MARKS)

STANDARD 8

Name of candidate : _____
(Surname first)

Name of School : _____

Instructions

- This paper contains **5 pages**. Please check.
- This paper has two section **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 **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.
- Answer **all** questions
- In the table provided on this page, **tick** against the question number you have answered.
- 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.

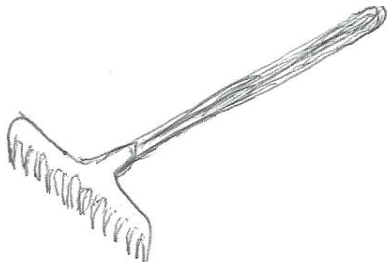
Question Number	Tick Qs 41-51 if answered	Do not write in these columns	
1-40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			

SECTION A : MULTIPLE CHOICES

AGRICULTURE (50 MARKS)

- The keeping of bees is called
 - Cattle farming
 - Pottery farming
 - Goat farming
 - Apiculture
- Mention any one risk that can occur in a farm business
 - Transport
 - Floods
 - Food
 - Tsetse flies
- List any two sub – branches of agriculture under animal production
 - Agronomy
 - Rabbitry farming
 - Apiculture
 - Floriculture
 - i and ii
 - i and iii
 - ii and iii
 - ii and iv
- Name one major soil nutrient
 - Molybdenum
 - Zinc
 - Phosphorus
 - Iron
- The movement of water under the ground is called
 - Aeration
 - Filtration
 - Percolation
 - Evaporation
- Give one way of improving soil fertility.
 - Agroforestry
 - Bush fire
 - Seed selection
 - Mono cropping

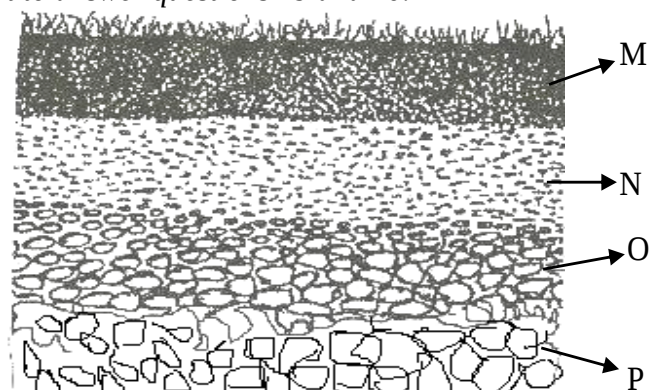
Figure 1 is a farm implement. Use it to answer the questions that follow.



- Name the farm tool above.
 - Lake
 - Rake
 - Oxcart
 - Hoe
- What is the use of a farm implement above?
 - For cutting grasses
 - For weeding
 - For digging
 - For levelling
- List two layers of soil profile
 - Soil textures
 - Sub soil and erosion
 - Top soil and rotation
 - Sub soil and weathered rock
- State two examples of indigenous fruits
 - Guavas and oranges
 - Tangerines and masuku
 - Mangoes and maye

- Masuku and nkhuyu
- Mention one use of farm cart machinery.
 - Planting maize
 - Accurate measurement
 - Size reduction
 - Carrying farm produce from the garden
- Cutting of branches short in order to make a desired shape in a woodlot is called
 - Trimming
 - Short creeping
 - Pruning
 - Decoration
- Give one quality of good seed in groundnuts production
 - Rotting
 - Small
 - Large and plump
 - Height
- State one variety of cassava
 - Manyokola
 - Chalimbana
 - Kilombero
 - Malimba
- The following are the examples of pottery farming except;
 - Raising of chickens
 - Raising of ducks
 - Raising of rabbits
 - Raising of turkey
- Which of the following is a cropping system in agriculture?
 - Live fence
 - Land fallowing
 - Land preparation
 - Mono cropping
- How does arborloo toilets increase agricultural productivity?
 - They are shallow people save money for labour
 - They provide people with manure when full
 - They are concrete
 - They are source of employment to the builders
- Give one example of crops that can be stored using ash as an indigenous technology.
 - Maize
 - Soya beans
 - Tobacco
 - Sweet potatoes

Figure 2 is a diagram showing the arrangement of soil. Use it to answer questions 19 and 20.

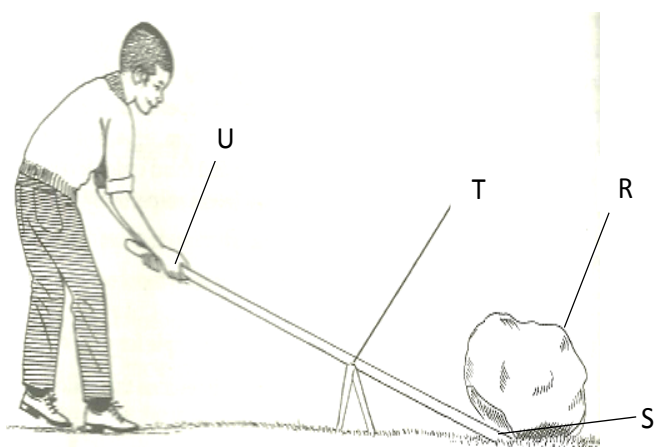


19. Name part labeled M
- | | |
|-----------------|-------------------|
| A. Soil profile | C. Weathered rock |
| B. Sub soil | D. Top soil |
20. Why do the plants grow well on the part labeled M?
- A. Contains humus which support plant growth
B. Has less organic matter
C. Wind blows against that part
D. None of the above

SCIENCE AND TECHNOLOGY

21. Which of the following diseases can be controlled by eating a balanced diet?
- | | |
|-------------|-------------|
| A. Malaria | C. Marasmus |
| B. Diarrhea | D. Polio |
22. Which of the following technologies make distant objects look bigger?
- | | |
|---------------|--------------|
| A. Mirror | C. Periscope |
| B. Microscope | D. Telescope |
23. Which of the following animals is a reptile?
- | | |
|-------------|----------|
| A. Tortoise | C. Frog |
| B. Toad | D. Mouse |

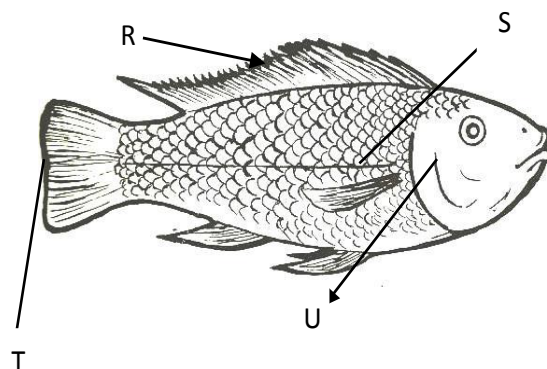
Figure 1 shows a learner lifting a stone using a beam. Use it to answer questions 24 and 25.



24. Which of the following letters represent the effort?
- | | |
|------|------|
| A. R | C. T |
| B. S | D. U |
25. Which of the following ways could make the work easier?
- A. Using a shorter beam
B. Pushing the beam harder
C. Increasing the distance between T and U
D. Increasing the distance between T and S
26. Which of the following ways can improve the sound transmitted by a string telephone?
- A. Loosening the string
B. Tightening the string

- C. Making knots on the string
D. Lengthening the string
27. Which of the following parts of a flower develops into a seed after fertilization?
- | | |
|----------|-----------|
| A. Ovule | C. Petal |
| B. Ovary | D. Stigma |
28. Which of the following is a sign of scurvy?
- A. Tiredness
B. Bleeding of gums
C. Rough skin
D. Pale hands
29. Which of the following diseases can be prevented by practicing kitchen hygiene?
- | | |
|------------|--------------|
| A. Goiter | C. Scabies |
| B. Malaria | D. Diarrhoea |

Figure 2 is a diagram showing external parts of a fish. Use it to answer questions 30 and 31.



30. Identify the part marked R.
- | | |
|-------------|---------------|
| A. Anal fin | C. Dorsal fin |
| B. Scales | D. Operculum |
31. Which of the following parts of the fish helps it to move forward?
- | | | | |
|------|------|------|------|
| A. T | B. U | C. R | D. S |
|------|------|------|------|
32. It is advisable to wear white clothes on a sunny day in order to _____
- | | |
|---------------------|---------------|
| A. Feel warm | C. Feel cool |
| B. Be seen from far | D. Look smart |
33. Which of the following is the cause of choking?
- A. Breathing in poisonous gases
B. Food entering the windpipe
C. Person falling down
D. Eating food containing chemicals
34. Which of the following parts of the human brain controls digestion?
- | | |
|---------------|----------------------|
| A. Cerebellum | C. Spinal cord |
| B. Cerebrum | D. Medulla oblongata |
35. Which of the following groups of people is a sedentary worker?
- | | |
|------------|------------------|
| A. Manager | C. Brick moulder |
|------------|------------------|

- B. Farmer D. House cleaner
36. Which of the following mixtures can be separated by winnowing?
- Sand and salt
 - Grains and husks
 - Water and paraffin
 - Sand and iron fillings
37. Why does a vacuum flask have a shiny inner surface?
- To reduce loss of heat
 - To beautify the flask
 - To transfer heat
 - To strengthen the flask
38. Which of the following parts of blood is used for clotting?
- Plasma
 - Red blood cells
 - Platelets
 - White blood cells
39. Which of the following foods is suitable for lacto vegetarians?
- Pumpkin
 - Yoghurt
 - Pepper
 - Cabbage
40. Rickets in children can be prevented by eating food rich in
- Vitamin C
 - Iron
 - Iodine
 - Vitamin D

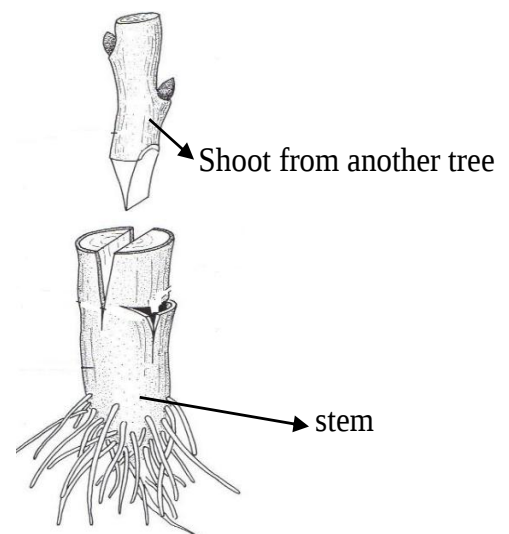
SECTION B (60 MARKS)

AGRICULTURE

41. a. Write two principles of farm business
- _____
- _____ (2 marks)
- b. Define the following terms:
- Fallowing
- _____
- _____ (2 marks)
- Agroforestry
- _____
- _____ (2 marks)
- c. State two main branches of agriculture.
- _____
- _____ (2 marks)
42. a. Give three risks associated with a farm business
- _____
- _____
- _____ (3 marks)
- b. How can you manage the risks? Give three ways

- _____
- _____ (3 marks)
- c. Explain two importance of fruits.
- _____
- _____ (2 marks)
- d. List two examples of fruits under each of the following types:
- i. Indigenous fruits
- _____ (2 marks)
- ii. Exotic fruits
- _____ (2 marks)
43. What are the three marketing functions
- _____
- _____ (3 marks)
44. Give two types of modern technologies.
- _____
- _____ (2 marks)

Figure 3 is a diagram showing propagation method. Use it to answer question 45a.



45. a. Name the method of propagation shown above.
- _____
- _____ (2 marks)
- b. Apart from the method of propagation named above in 45a, state other three methods of propagation.
- _____
- _____
- _____ (3 marks)

SCIENCE AND TECHNOLOGY

46. a. State one characteristic of a compound leaf
- _____
- _____ (1 mark)



b. Classify the following invertebrates into protozoa and arthropods: amoeba, millipede, crab, spider and plasmodium (5 marks)

Protozoa

Arthropods

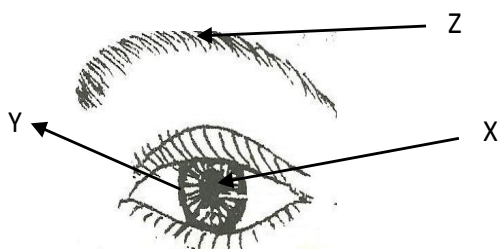
47. a. State any two properties of gases

(2 marks)

b. Define the term “solute”

(1 mark)

c. **Figure 3** is a diagram of the external parts of a human eye. Use it to answer questions that follow.



i. Name the parts labeled X and Z

X: _____ (1 mark)

Z: _____ (1 mark)

ii. What is the function of the part labeled Y?

(1 mark)

d. State any two ways of caring for the eye.

(2 marks)

48. a. Give one function of the stomach in the human body.

(1 mark)

b. Name two examples of hinge joints.

(2 marks)

49. a. State any one cause of suffocation.

(1 mark)

b. Explain how electricity is produced using solar energy.

(2 marks)

50. a. State any two disadvantages of improvised classroom technologies.

(2 marks)

b. Mention any two ways of keeping food safe in the kitchen.

(2 marks)

51. a. Name any two good habits of eating food.

(2 marks)

b. State any two ways of preventing kwashiorkor

(2 marks)

c. Write down any two guidelines for planning meals for manual workers.

(2 marks)

END OF THE QUESTION PAPER.

