



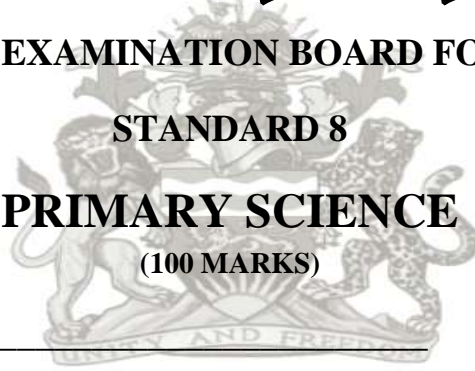
# KACHANGA PRIMARY SCHOOL

2024 MOCK EXAMINATION BOARD FOR STANDARD 8

STANDARD 8

PRIMARY SCIENCE

(100 MARKS)



PRINTED BY:  
NIXION PRINTERS  
+265 993 944 910

Date: \_\_\_\_\_

Subject Number:  
Time allowed: 2 hours

Candidate Name: \_\_\_\_\_

(Surname first)

## INSTRUCTIONS

1. This paper contains 7 printed papers. Please check.
2. Write your name and the name of your school in the spaces provided and your examination number on top of each page of this question paper
3. This paper consists of 4 sections. **A, B, C** and **D**. You are expected to answer all questions

## IMPORTANCE

4. In all table provided on this page, tick against the question number you have answered.
5. Hand in your worked paper to the invigilator when time is called to stop

Questions number	Tick if answered	Do not write in these columns	
1-20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

**Turn Over**

*Answer all questions in this section by encircling (A, B, C or D) that best your answer*

### AGRICULTURE

- To which branch of agriculture does "Jacaranda" belong
  - Olericulture
  - Floriculture
  - Pomoculture
  - Agronomy
- Which of the following is a type of irrigation
  - Dollop
  - Sprinkler
  - Follia
  - Banding
- Which of the following nutrients is required by plants in large quantities
  - Nitrogen
  - Calcium
  - Chlorine
  - Copper

*Study figure 1 below and use it to answer questions 4 and 5 that follows:*



- What name is given to the living organism above?
  - Maize weevil
  - Stalk borer
  - Termite
  - Moaly bug
- Which arable crop is attacked by the organism?
  - Oranges
  - Cassava
  - Lemons
  - Rice
- What is the best time to start keeping farm records?
  - Soon after planting crops
  - Soon after selling crops
  - When farm inputs are bought
  - When farming activities have started
- Why should farmers practice mulching of their fields
  - Increase yield
  - To reduce the rate of evaporation

- To encourage multiplication of pests
- To encourage vegetables growth
- Which of the following ways can deals with the perishability of farm produce?
  - Sun drying
  - Soaking
  - Boiling
  - Producing near the market
- A farmer applied a certain type of fertilizer in a crop field then realized that the crops had poor root development. What might have lucked in the soil??
  - Calcium
  - Potassium
  - Nitrogen
  - Phosphorus
- Why should a rabbit house be raised above the ground?
  - It reduces movement of rabbits
  - It reduces competition when feeding
  - It reduces infestation of maggots and worms
  - It reduces overcrowding of rabbits
- Which of the following ways can help a farmer when dry spells destroy crops
  - Harvesting crops early
  - Irrigating the crops
  - Growing more than one crop
  - Insuring the crops

- Which of the following breeds of cattle can be cross breed with Malawi zebu to increase milk production
  - Brahman
  - Friesian
  - Hereford
  - Charolasis

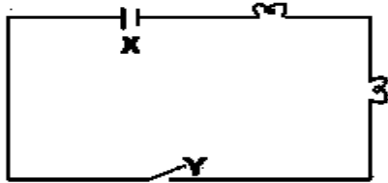
*Figure 2 is a diagram showing a learner propagating a fruit tree. Use it to answer questions 13 and 14.*





27. Which of the following is the importance of blood transfusion ?
- Helps to save the lives of other
  - To spread HIV and AIDS
  - To share blood nutrients
  - Helps to develop the nation
28. Which method could be used to separate a mixture of sand and small pieces of steel?
- Magnetism
  - Evaporation
  - Sieving
  - Winnowing
29. Choose a non-flowering plant from the following
- Beans
  - Maize
  - Tomatoes
  - Moss
30. Which of the following insects undergo complete metamorphosis ?
- Cockroach
  - Bugs
  - Housefly
  - Grasshopper

*Figure 4 is a diagram of an electric circuit. Use it to answer questions 31 and 32.*



31. What type of circuit is shown in the diagram?
- Series circuit
  - Parallel circuit
  - Electricity
  - Geo – thermal power
32. What will happen to the bulbs when part Y is closed?
- They will explode
  - They will give light
  - They will start moving
  - They will meet
33. The following are female family planning methods except?
- Norplant
  - Tubal ligation

- Contraceptive pills
  - Abortion
34. Which of the following disease can be prevented by draining stagnant water around the home?
- Bilharzia
  - Cholera
  - Coughing
  - Malaria
35. The cooking of food in hot oil is called \_\_\_\_ ?
- Frying
  - Stewing
  - Boiling
  - Baking
36. The following are needs of a pregnant woman and unborn baby except?
- Love
  - Proper attire
  - Care
  - Fighting
37. Which of the following is not a common disease of children?
- Polio
  - Measles
  - Anaemia
  - High blood pressure

*Figure 5 is diagram showing a product. Use it to answer questions 38 and 39.*



38. What is the name of the product shown in the illustration above.
- Drum
  - Pot holder
  - Clay pot
  - Plate
39. One way of improve the quality of the products is \_\_\_\_\_?
- By improving the shape
  - By cleaning the inner part
  - By keeping it on some grass
  - By breaking the product

**SECTION B**

**STRUCTURAL QUESTIONS**

**(60 MARKS)**

*Answer all questions in this section in the space you provide*

**AGRICULTURE**

40. State any two factors to consider when designing an agroforestry plot (2 marks)

(a) \_\_\_\_\_

(b) \_\_\_\_\_

41. A) Explain why farming is regarded as a business? (2marks)

\_\_\_\_\_

\_\_\_\_\_

B) Identify two farm business activities you know (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

C) Give any three characteristics of subsistence farming (3marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

42. A) Name the two breeds of rabbits (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

B) Describe any two signs and symptoms of east coast fever (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

C) Explain the difference between demand and supply (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

D) Outline any two factors considered when selecting land for vegetable nursery establishment (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

**Figure 6 shows a cash crop. Use it to answer questions belows:**



43. A) Name the cash crop in figure above (1 mark)

\_\_\_\_\_

B) Give one product produced from the crop (1mark)

---

C) Give any reasons why a farmer should keep farm records at the farm (1mark)

---

44. A) State any two fish predator you know (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

B) Describe any two effects of fish predators (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

C) Explain an advantage of keeping chickens using free range system (2marks)

---

45. A) Outline any two characteristics of cattle suitable for beef production (2marks)

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

B) Classify the following food of cattle into roughages and concentrations : Cotton seed cakees, green grass , maize bran, meat meal and millet stalks.

i. roughages :

ii. concentrations :

(4marks)

## SCIENCE AND TECHNOLOGY

46. A) Give one function of each of the following blood cells in the body

(i) Red \_\_\_\_\_ (1mark)

(ii) White \_\_\_\_\_ (1mark)

B) Explain any one importance of blood circulation. (2marks)

---

47. A) List any two foods suitable for old people (2marks)

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

B) Give any two factors to consider when planning meals for old people (2marks)

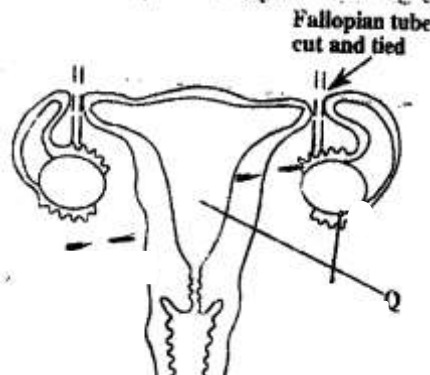
(i) \_\_\_\_\_

(ii) \_\_\_\_\_

48. A) State any one advantage of the frying method of cooking (1mark)

B) Give one reasons why the frying method of cooking is not for a sedentary worker (2marks)

Figure 7 is a diagram showing a method of family planning. Use it to answer questions 49 a ,b and c.



49. A) What name is given to this method of family planning (2marks)

B) Name the part labelled Q ? (1mark)

C) Explain one disadvantage of the method of family planning shown above (2marks)

50. A) Define the following terms :

(i) Solute (1mark)

(ii) Solvent (1mark)

B) Describe one factor affecting the rate of solubility of substances in water (2marks)

C) Explain any one difference between baking and roasting food (2marks)

51. A) Write down two stages of scientific investigation (2marks)

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

B) Give two main types of kitchens (2marks)

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

C) List any two materials required for constructing a mud cupboard (2marks)

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

**END OF QUESTION PAPER**