



# MACHINGA BOMA ZONE EXAMINATION COMMITTEE

2022/2023 END OF TERM ONE EXAMINATION FOR STANDARD 8

## PRIMARY SCIENCE

(100 Marks)

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

Time allowed: \_\_\_\_\_

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

(Surname First)

School Name: \_\_\_\_\_

### Instructions:

- This paper **contains 6 printed 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 choice representing the right answer to each question. Section B has 10 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 question.
- Answer all questions.

### SECTION A (40 MARKS)

#### AGRICULTURE

- Two main branches of agriculture are
  - Poultry and agriculture
  - Floriculture and poultry
  - Crop husband and animal husbandry
  - Animal and crop production
- What name is given to method of irrigation in which channels are used
  - Flood
  - Basin
  - Sprinkler
  - Drip
- Why is it important to mulch the vegetables in the fields?
  - To reduce pests
  - To conserve soil moisture
  - To reduce soil fertility
  - To dissolve mixture
- The following are examples of risks in a farm business **except**:
  - Weather changes
  - What to produce
  - Fire
  - Pests and diseases
- The parts of the plough that holds all parts of it is \_\_\_\_\_
  - Hitch
  - Beam
  - hake
  - handle
- Why should a farmer add manure to a fish pond
  - To improve growth of planktons
  - To kill fish predators
  - To reduce temperature
  - To feed the fish
- Which of the following factors of production refers to work done by people?
  - Capital
  - Land
  - labour
  - management
- Which of the following crops grow well in clay soil.
  - Rice
  - cassava
  - beans
  - groundnuts
- Which of the following is sub-branch of agriculture under animal production.

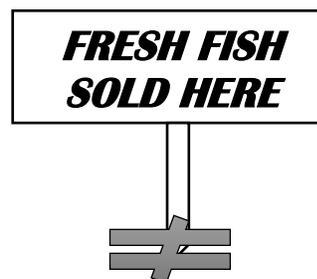
CANDIDATE NAME: \_\_\_\_\_

- A. Agronomy C. olericulture  
B. Apiculture D. silviculture
10. What do you call the resources used to produce crops and livestock?  
A. Materials C. livestock  
B. Labour D. factor of production
11. Which of the following activities is a method of weeding?  
A. Thinning C. banking  
B. Supplying D. mulching
12. Which of the following is the use of a rake?  
A. Loosening soil C. levelling beds  
B. Lifting seedling D. making holes
13. Which of the following is the cause of coccidiosis?  
A. Virus C. Protozoa  
B. Bacteria D. Mosquitos
14. Which of the following is not a common weed in flower garden?  
A. witch weed C. tridax  
B. galisoga D. chisoso
15. Which crop can be grow in loose soil structure?  
A. Rice B. cassava C. maize D. okra
16. The process of water cycle that take place between precipitation and percolation  
A. Evaporation C. infiltration  
B. Condensation D. transportation
17. The following are principles of farm business **except**?  
A. comparative advantage  
B. Commercial farming

- C. demand and supply  
D. Substitution

18. The following are the ways of controlling soil erosion **except**:  
A. Making box ridges  
B. strip cropping  
C. making ridges along the slope  
D. making contour bands
19. The following are some of major nutrient for plants  
A. Iron and boron  
B. Potassium and boron  
C. Nitrogen and iron  
D. Nitrogen and phosphorus

**Figure 1 is a diagram showing one of the marketing function**

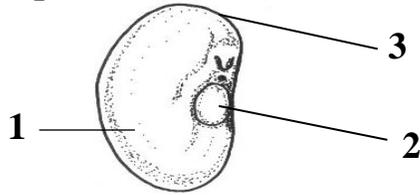


20. What marketing function is involved here?  
A. Buying C. transporting  
B. Advertising D. storage

### SCIENCE AND TECHNOLOGY

21. Which of the following technologies are not used for sending and receiving message  
A. Cellphones and computers  
B. Radio and cellphones  
C. Computer and fax machines  
D. Winnower and catapult

**Figure 2 below is a bean seed, use it to answer the questions 22 and 23**



22. What is a name of part labelled 2  
 A. Scar B. embryo C. testa D. cotyledon
23. Which part provide food for the growing of embryo  
 A. 2 B. 3 C. 1 D. None
24. Some taboos do not allow children to eat eggs. which nutrients are the children missing.  
 A. Vitamin C C. minerals  
 B. Proteins D. carbohydrates
25. Which of the following crops has an erect stem  
 A. Pumpkin C. sweet potatoes  
 B. Pawpaw D. banana
26. The following is a sense organ used for touching  
 A. Nose B. skin C. tongue D. ear

**Figure 3 below is a diagram showing changes of state of matter. Use it to answer question 27**



27. What process is represented by letter P  
 A. Melting C. condensation  
 B. Freezing D. evaporation
28. What type of force is produced as a result of rubbing two objects?  
 A. Gravitational force

- B. Magnetic force  
 C. Frictional force  
 D. Elastic force

29. The heart pumps blood to the lungs through  
 A. Vena cava C. Pulmonary artery  
 B. Aorta D. pulmonary vein
30. Where does the exchange of oxygen and carbon dioxide take place in the human body?  
 A. Bronchiole C. alveoli  
 B. Trachea D. nostrils
31. Which of the following machines uses the principle of levers  
 A. Principle C. screw  
 B. Wedge D. spanner
32. Which of the following is a characteristics of wind pollinated flowers  
 A. Have no nector  
 B. Have bright petals  
 C. Produce scent  
 D. Anthers are held firmly
33. Which of the following is a modern food preservation technology  
 A. Sun drying C. canning  
 B. Salting D. Smoking
34. Which of the following is a method of processing maize  
 A. Washing C. pounding  
 B. Salting D. Smoking
35. Which of the following is not a composition of blood  
 A. Plasma C. platelets  
 B. Veins D. red blood cells

CANDIDATE NAME: \_\_\_\_\_

36. Lack of vitamin A in the diet can cause \_\_\_\_\_?  
A. Scurvy                      C. diarrhea  
B. Beri-beri                    D. night blindness

37. To which group do dogs belong?  
A. Herbivores                  C. omnivores  
B. Carnivores                  D. polyvore

38. What name is given to the process when gases change into liquid?  
A. Melting                      C. condensation

B. Evaporation                D. freezing

39. \_\_\_\_\_ is an example of non flowering plant.  
A. Fern plant    C. maize plant  
B. Bean plant    D. hebisas plant

40. Which of the following diseases can be prevented by draining stagnant water around the home ?  
A. Bilharzia                      C. cholera  
B. Sleeping sickness    D. Malaria

**SECTION B (60marks)**

**AGRICULTURE**

41.(a) List any three cash crops grown in Malawi (3marks)

(b) Give any two ways in which Agriculture is important to the nation? (2 marks)

(c) Give two risks in farm business. (3 marks)

42. (a) name the type of irrigation suitable for each of the following crops

i. Rice \_\_\_\_\_ (1 mark)

ii. Fruit trees \_\_\_\_\_ (1 mark)

(b) give a reason why watering of seedlings before transplanting is important (1mark)

43.(a) Name one use of a sprayer on a farm (2marks)

(b) give two safety measures when using the sprayer. (2marks)

44.(a) Define farm records. (2marks)

(b) What is the difference between soil structure and soil texture? (2marks)

CANDIDATE NAME: \_\_\_\_\_

(c) Name any three causes of soil erosion. (3marks)

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45.(a) Name any three animal husbandry practices (3marks)

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(b) Match the following indigenous farm machinery and technologies with their current use (5marks)

| Machinery / Technology | Use                                      |
|------------------------|--|
| Planting frame         | Storing seeds and dried vegetables       |
| Leaf bag               | To control weevils                       |
| shoot                  | Accurate measurement of planting station |

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### SCIENCE AND TECHNOLOGY

46.(a) classify the following plants into flowering and non-flowering plants: beans, mangoes, fungi, tomatoes and ferns (5 marks)

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(b) state any three good food habits (3 marks)

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(c) Define the following terms:

(i) hypothesis (1mark)

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(ii) variables (1mark)

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CANDIDATE NAME: \_\_\_\_\_

47.(a) Construct a food chain from the following (5 marks)

Grasshopper, snake, green grass, birds

(b) state three characteristics of insect pollinated flowers (3 marks)

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(c) Give a reason why seed dispersal is important (2 marks)

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48.(a) Give any two groups of vertebrate's animals. (2 marks)

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(b) What are the disadvantage of frying food. Give two points. (2marks)

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(c) List two agents of seed dispersal. (2 marks)

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(d) classify the following fruits as being dispersed by wind or animals. (4 marks)

Oranges, Mango, African daisy and Dandelion

Dispersed by animals \_\_\_\_\_

Dispersed by wind \_\_\_\_\_

**END OF QUESTION PAPER**