



# ZENJE PRIMARY SCHOOL

2022 STANDARD 8 END OF TERM 1 STANDARDIZED TEST

## PRIMARY SCIENCE (100 MARKS)

DATE: \_\_\_\_\_

Subject Number: P165

Time allowed: 2 hours

8:00 – 10:00 am

Name of Candidate: \_\_\_\_\_  
(Surname First)

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

1. This paper contains 6 pages. Please check.
2. Write your name and name of your school in the space provided and your examination number on top of each page of question paper.
3. This paper consists of two sections **A** and **B** you are expected to answer all questions.

against the question number you have answered.

5. Hand in your worked paper to the invigilator when time is called to stop.

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### IMPORTANT

4. In the table provided on this page, tick

Question number	Tick if answered	Do not write in these columns	
1- 40		Turn over	
41			
42			
43			
44			
45			
46			
47			
48			

### SECTION A (40 marks)

Encircle the letter representing the correct answer

#### AGRICULTURE

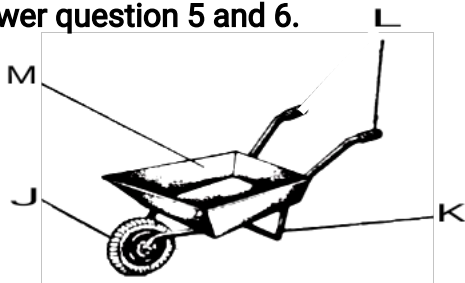
1. To which sub-branch of agriculture does the

keeping of bees belong?

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- A rabbitry                      B apiculture  
C aquaculture                D poultry
2. Why does a farmer add manure to a pond?  
A to improve the growth of planktons  
B to kill predators  
C to reduce the temperature  
D to feed the fish
3. Which of the following is not a physical farm record?  
A field operating farm records  
B labour records  
C crops records  
D sales records
4. Which of the following is a deficiency sign of potassium in crops?  
A stunted growth  
B poor root development  
C purple leaves  
D poor quality fruits

Figure 1 is a diagram of a farm implement. Use it to answer question 5 and 6.

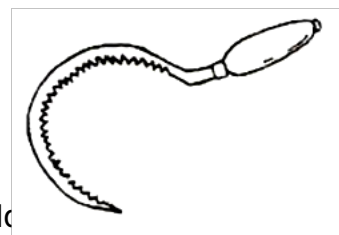


5. What is the name of the farm implement?  
A maize Sheller            B wheel barrow  
C farm cart                D shovel
6. Which of the following part would require greasing during maintenance?  
A J                              B K  
C L                              D M
7. Why is it important to have box ridges in a garden?  
A they hold water  
B they control pests  
C they increase soil fertility  
D they control weeds
8. Fish ponds are fed at the rate of 5% of the body weight daily. If the total weight of all

fish in the pond is 200Kg, the amount of feed needed per day is

- A 5Kg                          B 100Kg  
C 10Kg                        D 200Kg
9. Which of the following is the best way of controlling water weeds?  
A uprooting                B early planting  
C early weeding        D crop rotation
10. Which of the following is the best way of propagating pine apples?  
A seeds                      B suckers  
C cuttings                 D budding
11. It is important to add vegetables in chicken feed in order to provide  
A vitamins                B proteins  
C fats                        D carbohydrates
12. A system of agroforestry in which trees are used as feed for livestock alternately with arable crops is referred to as  
A live fence                B improved furrow  
C folder banks            D alley cropping
13. Why should a farm cart be fitted with reflectors?  
A to avoid accidents at night  
B to attract customers  
C to scare away thieves  
D to provide light at night

Figure 2 shows a diagram of a farm tool. Use it to answer question 14 and 15.



14. It is used to harvest  
A sickle                      B hand trowel  
C panga knife            D hand fork
15. Name any crop that is harvested using the tool mentioned above.  
A grass                      B cabbage  
C rice                        D groundnuts

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16. Which of the following parts of a sprayer deliver the sprays?  
A sieve                      B plastic container  
C lens                         D nozzle cup
17. Which of the following types of soils suitable for vegetables?  
A loam soil                 B sand soil  
C sandy loam soil         D clay soil
18. Why should farmers sell their crops when they are scarce?  
A to prevent them from thieves  
B to make them available to everyone  
C to make profit  
D to avoid hunger
19. Which of the following nutrients is required by plants in large quantities?  
A nitrogen                 B calcium  
C chlorine                 D copper
20. Which of the following type of fish survives in salty water?  
A mphande                 B chambo  
C mlamba                    D chilunguni

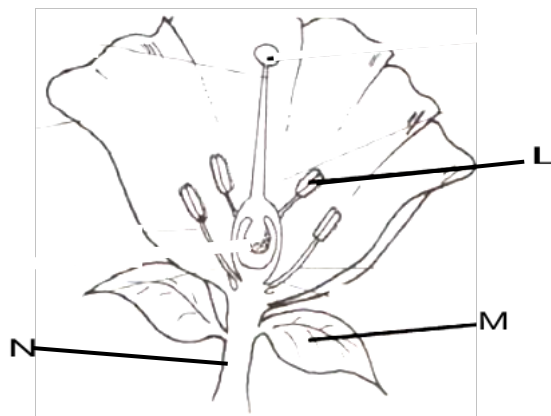
### SCIENCE AND TECHNOLOGY

21. Which of the following technologies is indigenous?  
A grinding stone         B sewing needle  
C cell phone                 D electric kettle
22. Which of the following is an example of a manual worker?  
A farmer                     B teacher  
C nurse                        D engineer
23. Where in the lungs does the exchange of gas take place?  
A trachea                    B diaphragm  
C bronchioles               D alveoli
24. The part of the body that attaches muscles to the bones are \_\_\_\_\_  
A ligaments                 B tendons  
C nerves                        D capillaries
25. Blood should be screened before

transfusion in order to \_\_\_\_\_  
A kill the parasites        B cool it  
C present anemia         D supply correct blood

26. Which of the following parts of the human brain is responsible for balance?  
A spinal cord                B cerebellum  
C cerebrum                    D medulla oblongata
27. Which of the following features is common in reptiles?  
A scales                        B iris  
C feathers                      D hair
28. Name the female reproductive organ that produces egg cells.  
A vagina                      B fallopian tube  
C uterus                        D ovary

**Figure 3 is a diagram showing parts of a flower. Use it to answer question 29, 30 and 31.**



29. The part marked M is called \_\_\_\_\_  
A flower stalk                B sepal  
C filament                     D petal
30. What is the function of part marked N?  
A holding the flower  
B protecting the flower  
C attracting insects  
D receiving pollen from the anthers
31. Which of the following substance are produced by part marked L?  
A nectar                        B ovules  
C pollen tube                 D pollen grains
32. What type of energy is used for photosynthesis?

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- A chemical                      B light                                      38  
C sound                              D kinetic

33. Name the technology which is used to make distant objects look bigger.

- A mirror                              B microscope  
C periscope                          D telescope

34. Which of the following is an indigenous food preservation?

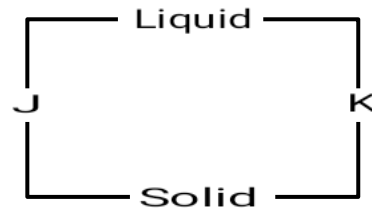
- A refrigeration                      B salting  
C root                                      D canning

35. The heart pumps blood to the lungs through \_\_\_\_\_.

- A vena cavae                          B aorta  
C pulmonary vein                      D pulmonary artery

36. Which of the following is not the function of roots?

- A manufacturing food  
B storing food  
C absorbing water  
D holding plants firmly



37. Which process is represented by the letter J?

- A melting                              B condensation  
C freezing                              D evaporation

38. How do the change of state marked K be useful to people?

- A drying clothes  
B beer brewing  
C preservation of food  
D rain formation

39. Animals with jointed legs are known as \_\_\_\_\_

- A molluscs                              B annelids  
C nematodes                              D arthropods

40. Which of the following seeds is dispersed by water?

- A bean seeds                              B cotton seeds  
C black jack                              D coconut

**Figure 4 a diagram showing the changes of the states of matter. Use it to answer question 37 and seeds**

**SECTION B (60 marks)**

**Answer all questions in the space provided.**

**AGRICULTURE**

41. List any three pests of maize

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

42. (a) Define risks in farm business

\_\_\_\_\_ (2 marks)

(b) Give any two reasons why "Mlamba" is suitable for farming in Malawi?

\_\_\_\_\_ (2 marks)

(c) A part from Mlamba name any four species recommended for fish farming in Malawi?

1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_  
4 \_\_\_\_\_ (4 marks)

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(d) Why are farmers encouraged to construct medium fish ponds?  
\_\_\_\_\_ (2 marks)

43. (a) List three indigenous farm machinery and technologies.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

(b) Describe how a farmer can control each of the following

i. Aphids in fruit trees  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

ii. Fruit flies in fruit trees  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

44. A learner wanted to find out if soil contains air. He gathered the following materials for conducting the experiment clear plastic bottle, jug, soil sample.

(a) Name one material the learner forgot to include on the list of materials  
\_\_\_\_\_ (1 mark)

(b) Why did the learner use a plastic bottle?  
\_\_\_\_\_ (2 marks)

(c) What would be the evidence to show that the soil contains air?  
\_\_\_\_\_ (2 marks)

45. Write any three advantages of semi-intensive system of keeping chicken.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

### SCIENCE AND TECHNOLOGY

46. Classify the following fruits as being dispersed by animals and explosive mechanism:  
Boehavia, crotalaria, lupin and desmodium jack

(a) Dispersed by animals  
\_\_\_\_\_ (2 marks)

(b) Dispersed by explosive mechanism  
\_\_\_\_\_ (2 marks)

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(c) List any two examples of ball and socket joints  
\_\_\_\_\_ (2 marks)

47. (a) Mention any two function of the human skeleton  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

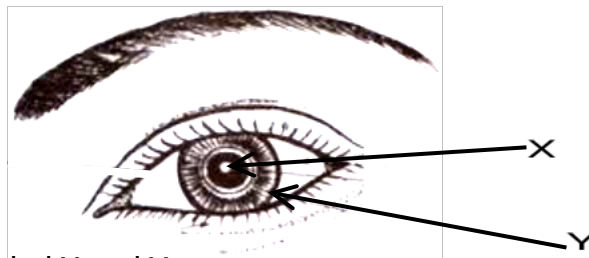
(b) What is the use of the following parts of a been seed  
i. Plumule  
\_\_\_\_\_ (2 marks)

ii. Scar  
\_\_\_\_\_ (2 marks)

(c) State any two reasons for preserving food  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

48. (a) Explain how sun drying helps to preserving food.  
\_\_\_\_\_ (2 marks)

**Figure 5 a diagram of human eye. Use it to answer question 48(b), (c) and (d)**



(b) Name the part labeled X and Y  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

(c) State the function of the part labeled Y.  
\_\_\_\_\_ (2 marks)

(d) Give any two problems of the eye.  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

49. (a) Define term bleeding  
\_\_\_\_\_ (1 mark)

(b) Define any three factors to consider when planning improved nutritional food.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

(c) Which any two food stuffs can be nutritionally improved by working with their skins?

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\_\_\_\_\_  
\_\_\_\_\_(2 marks)

(d) What is the meaning of the term smothering?

\_\_\_\_\_  
\_\_\_\_\_(2 marks)

**END OF QUESTION PAPER**