

NAME:.....

CHAMBE ZONE EXAMINATION BOARD

2023 END OF TERM ONE STANDARDIZED EXAMINATION

STANDARD 8 PRIMARY SCIENCE

(100 marks)


Wednesday, 13th December

Time Allowed: 2 hours

(8:00-10:00am)

SECTION A (40 MARKS)

AGRICULTURE

- One use of a hand trowel is _____
 - Lifting seedlings
 - Loosening soil in the garden
 - Watering crops
 - Collecting trash
 - Why is it important for a farmer to prepare land early after harvesting?
 - For early harvesting
 - Enabling the farmer to plant with the first
 - To allow other farmers to assist him
 - He/ She has nothing to do.
 - To which branch of agriculture does the growing of arable crops belong?
 - Agronomy
 - Pomoculture
 - Floriculture
 - Olericulture
 - Which of the following is not a problem of farm business.
 - What to produce
 - Where to sell
 - Where to produce
 - Cutting down trees
- Figure is the method of fruit propagation, use it to answer question 5 and 6**
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- Identify the method.
 - Budding
 - Grafting
 - Cuttings
 - Suckers
 - Which of the following crops are suitable for the method?
 - Cassava
 - Bananas
 - Granadilla
 - Oranges
 - Fish must be fed at the rate of 5% of body weight daily, for instance if all the fish in the pond worth 350kgs, the daily amount of the feed must be:
 - 1750kg
 - 17kg
 - 50kg
 - 17.5kg
 - Which part of the sprayer is used to deliver the spray?
 - Control tap
 - Nozzle
 - Nozzle cup
 - Lance.
 - Which of the following are the characteristics of indigenous trees.
 - They grow fast
 - They withstand drought
 - They are soft
 - They are resist diseases and pest attack
 - 1 and 2
 - 2 and 3
 - 2 and 4
 - 3 and 4.
 - Why fermentation is important in cassava processing?
 - To make them look attractive
 - For easy storage
 - For easy toxic substances from bitter variety of cassava
 - To make them free from diseases.
 - Which of the following living things reproduce through binary fission?
 - Worms
 - Arthropods
 - Plasmodia
 - Molluscs
 - Which of the following method of applying fertilizer is suitable for fruit trees.

- C. Side dressing C. Banding
D. Foliar D. Banking
13. Give a reason why supplying is important in ground nuts.
- It helps to maintain plant population
 - It helps to control the growth of weeds
 - It helps to remove crop yield
 - It helps to control diseases.
14. Why is hardening off important
- To prepare good food for the pests
 - To prepare seedlings for the hot and dry condition
 - To reduce water competition
 - To grow fast.
15. Which of the following is a way of maintaining fish ponds.
- Filling cracks C. Killing parasites
 - Applying lime D. Dusting with chemicals

Figure is a diagram showing one of the marketing function. Use it to answer question 16.

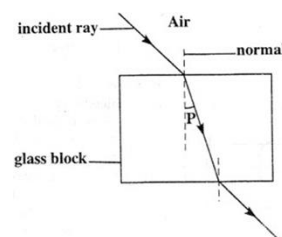


16. What marketing function is involved here?
- Buying C. Transporting
 - Advertising D. Storage
17. The following are principles of farm business except?
- Comparative advantage
 - Demand and supply
 - Substitution of inputs
 - Commercial farming.
18. Which of the following are major soil nutrients for plants.
- Iron and boron
 - Potassium and boron
 - Nitrogen and phosphorous
 - Nitrogen and iron
19. The following are examples of risks in a farm business except?
- Weather changes
 - Pest and diseases
 - Fire
 - What to produce.
20. Which of the following factors of production refers to the work done by people?
- A. Labour C. Management
 - B. Land D. Capital

SCIENCE AND TECHNOLOGY

21. Which of the following is the function of human skeleton
- For enjoyment
 - Gives shape for the body
 - For running
 - For decoration
22. Which of the following is an example of omnivore?
- Hyena
 - Goat
 - Lion
 - Chicken
23. Why is it important to wash fruits and vegetable before eating?
- To add taste
 - To add vitamins
 - To prevent diseases
 - For beautification

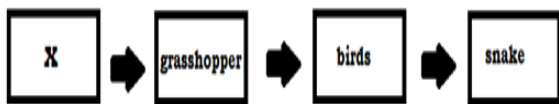
Figure is a diagram showing a path of ray of light passing through a block of glass. Use it to answer questions 24 and 25.



24. Name the angle labelled P
- Angle of incidence
 - Angle of refraction
 - Angle of reflection
 - Angle of emergence
25. Which property of light is demonstrated in the diagram
- Light can be refracted
 - Light can be reflected
 - Light travels in a straight line
 - Light rays can be converged
26. Give any one example of protective food
- Maize
 - Eggs
 - Pawpaw's

- D. Potatoes
27. Define the term bleeding
- Is the coming out of oxygen from lungs
 - Is the coming out of blood from the nose
 - Is the transferring of blood from one person to another
 - Is the oozing of the blood from the body
28. Which of the following is the example of immovable joints
- Suture
 - Hip
 - Wrist
 - Shoulder
29. Which of the following part of brain is responsible for breathing
- Cerebrum
 - Spinal cord
 - Medulla oblongata
 - Cerebellum

Below is the food chain. Study it and answer question 30 and 31



30. Complete the food chain
- Lion
 - Green plants
 - People
 - Soil
31. What would happen if there is no birds
- Snake will survive
 - Snake will suffer
 - Grasshopper will suffer
 - Snake will increase in number
32. Which of the following is the effects of poor nutrition
- Health population
 - Good nutrition status
 - Malnutrition
 - Proper growth of children
33. Give a reason why people may become vegetarian
- Animal welfare
 - Because of poor mental capacity

- Selfishness
 - Rich
34. Which of the following is the biggest artery in the human circulatory system?
- Pulmonary artery
 - Aorta
 - Renal artery
 - Portal artery
35. What name is given to a change from solid to gas directly
- Condensation
 - Freezing
 - Sublimation
 - Evaporation
36. Which of the following are physical change that take place in both boys and girls as they grow into adults
- Soft sound
 - Experience menstrual period
 - Produce sperm
 - Public hair grows
37. Which of the following is an example of baked food
- Chigamu
 - Mandasi
 - Chicken
 - Nsima
38. Which of the following is the method of separating mixture
- Sublimation
 - Freezing
 - Condensation
 - Evaporation
39. The following are the signs and symptoms of pregnancy
- Menstruation occurs
 - Morning sickness
 - Increase in body weight
 - Enlargement of breasts and abdomen
40. Which of the following is the type of traditional kitchen
- Modern
 - Improved
 - Open air kitchen

SECTION B (60 MARKS)

AGRICULTURE

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

(3 marks)

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

Machinery Technology	Use
Planting frame	Storing seeds and tried vegetables
Leaf bag	To control weevils
Soot	Accurate measurement of planting station

(6 marks)

42. (a) Define farm records

_____ (2 marks)

(b) Name the type of irrigation suitable for each of the following crops

i Rice _____ (1mark)

ii Fruits trees _____ (1mark)

(c) Why should a farmer keep record of the various activities on farm?

_____ (2 marks)

43. (a) State the difference between natural and planted forest

_____ (2 marks)

(b) What is the difference between fries and fringer lings?

_____ (2 marks)

(c) Define the term permaculture.

_____ (2marks)

SCIENCE & TECHNOLOGY

44. (a). Give any **two** example of synthetic fiber

_____ (2 marks)

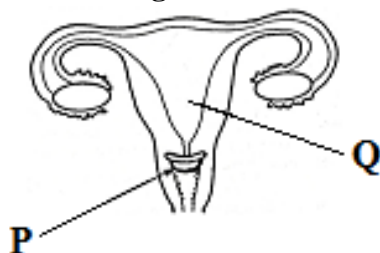
(b). Why should colored articles be dried in the shade

_____ (1 mark)

(c). Give any **two** factors that affect the rate of solubility of substance in water

_____ (2 marks)

Figure below is a diagram showing a method of family planning. Use it to answer 45



45. (a). What is the name of the method of family planning marked P

_____ (1 mark)

(b). What a name is given to the part marked Q

_____ (1 mark)

(c). Explain how the method is used

_____ (3 marks)

46. (a). What are vertebrate animals

_____ (2 marks)

(b). Name any **two** vertebrates which use camouflage as a way of protecting themselves

_____ (2 marks)

(c). Give any **one** disadvantage of the following invertebrates animals

Grasshopper _____ (1 mark)

Mosquito _____ (1 mark)

Tsetse flies _____ (1 mark)

47. (a) What is the fertilization

_____ (1 mark)

(b) Describe the function of the following male reproduction

i. Prostate gland _____ (2 marks)

ii. Urinary bladder _____ (2 marks)

(c) Explain when the human life starts

_____ (2 marks)

48. (a) Draw a bean seed and label any two parts

(4 marks)

(b) Give two problem of breathing system

_____ (2 marks)

END OF QUESTION PAPER