



RUMPHI DISTRICT COUNCIL-EDUCATION SECTOR
BOLERO CAMPING EXIT EXAMINATIONS FOR STD 8



PRIMARY SCIENCE

(100 marks)

LEARNER'S NAME: _____

(Surname first)

NAME OF SCHOOL: _____ ZONE _____

Instructions:

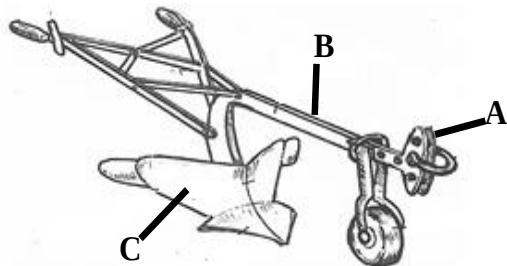
1. Answer **all** questions

SECTION A (40 marks)

AGRICULTURE (20 marks)

- Which term is referred to the place where the enterprise is carried out?
A. When to produce C. What to produce
B. Where to produce D. When to sell
- To which sub-branch of crop production does the growing of pineapples belong?
A. Pomo Culture C. Flori Culture
B. Silviculture D. Olericulture
- Which principle is applied to solve the problem of how to produce?
A. Comparative advantage
B. Demand and supply
C. What to produce
D. Substitution of inputs
- Which of the following is made from a farm animal?
A. Farm cat C. Shoes
B. Ridger D. Plough

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



- Identify the farm implement shown in the figure
A. Ridger C. Plough
B. Ox-cart D. Cultivator
- What is the use of the part labelled B?
A. Cuts the soil into thin layer
B. Making ridges

- Which of the following is not a stage in water cycle?
A. Evaporation C. Filtration
B. Percolation D. Infiltration
- Why is necessary to mate Cork of Mikolongwe with the local hens?
A. In order to have poor survive in harsh condition.
B. In order to have low meat and eggs production
C. In order to have poor resistance
D. In order to improve meat and eggs
- The best tool for trimming flowers is-
A. Knives C. Hoes
B. Secateurs D. Burdizzo
- Identify the act that cause soil erosion from the following.
A. Cultivation on the steep slope
B. Shifting cultivation
C. Making ridges across the slope
D. Planting trees on bare land
- Which of the following is not a stage in water cycle?
A. Evaporation C. Filtration
B. Percolation D. Infiltration

Figure 2 is a cash crop grown in some districts of Malawi. Use it to answer questions 11 and 12.



- Name the cash crop.
A. Sunflower C. Tobacco

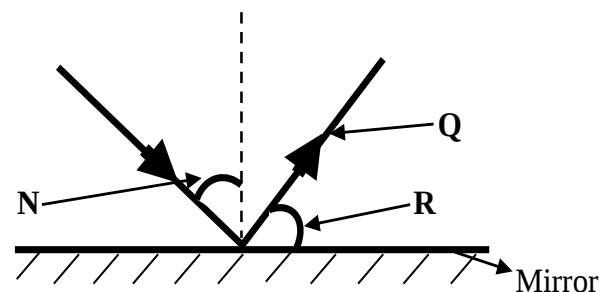
- B. Pineapple D. Cotton
12. Mention the industry which benefits from the cash crop.
A. Tobacco processing industry
B. Clothing manufacturing industry
C. Oil processing industry
D. Milling companies
13. The following are examples of trace elements **Except-**
A. magnesium C. Molybdenum
B. Manganese D. Zinc
14. Why should a rabbit house be raised above the ground?
A. It minimizes the overcrowding of rabbits

B. It minimizes competition when feeding
C. It minimizes infection of maggots and worms
D. It minimizes movement of rabbits
15. A list of activities to be carried out each month of the year for a particular crop is called____
A. Farm record C. Farming
B. Farm business D. Farming Calendar
16. Which of the following is **not** the element of agricultural environment?
A. Animal C. Water
B. Manure D. Soil
17. One of the characteristics of exotic tree is____
A. Are soft C. Are hard
B. Withstand drought D. Grow slowly
18. Which of the following types of fish are omnivorous?
A. Chilunguni and Makumba
B. Mlamba and Mphende
C. Mphende and chilunguni
D. Chambo and Mphende
19. The method of applying fertilizer on either sides of a plant is called____
A. Broadcasting C. Dollop
B. Banding D. Foliar
20. When is the best time to weed in groundnuts and Cassava fields?
A. Soon after planting crops
B. As soon as weeds appear
C. During the rainy season
D. During the dry season

SCIENCE AND TECHNOLOGY (20 marks)

21. Food rich in dietary fiber should be included in the meal in order to____
A. Help in digestion
B. Allow clotting of blood
C. Prevent Anemia
D. Strengthen the teeth
22. Organisms that live and feed on other living things are called____
A. Carnivores C. Parasites
B. Omnivores D. Predators
23. Which vessel is responsible for connecting arteries and veins?
A. Pulmonary artery C. Aorta
B. Pulmonary vein D. Capillary

Figure 3 is a diagram showing reflection of light. Use it to answer questions 24 and 25.



24. Identify the ray marked Q
A. Reflected ray C. Incident ray
B. Refracted ray D. Emergent ray
25. What is the size of the angle marked R, if angle N is 40° ?
A. 90° C. 50°
B. 140° D. 40°
26. Identify the sense organ which controls body temperature from the following.
A. Feeling C. Eye
B. Tongue D. Skin
27. Which of the following food is a source of proteins?
A. Rice C. Millet
B. Meat D. Cabbage
28. The number of vibration per second is called____
A. Frequency C. Pendulum
B. Vibration D. Oscillation
29. Choose any two example of indirect source of light?
A. Fire and stars C. reflector and moon
B. Sun and moon D. fire and moon
30. Why food is cooked?
A. To multiply harmful organisms
B. To make it taste bad

- C. To destroy it
- D. To preserve it

Figure 4 shows a learner lifting a stone using a machine. Use it to answer the questions **31** and **32**



- 31.** Name the machine
- A. Pulley
 - B. Crowbar
 - C. Inclined plane
 - D. Seesaw
- 32.** Which of the following letters represents the load?
- A. Z
 - B. W
 - C. X
 - D. Y
- 33.** Which of the following is true about Lacto-vegetation?
- A. Eat pork and fish
 - B. Eat pumpkin leaves and Okra
 - C. Eat yoghurt and pumpkin leaves
 - D. Eat eggs and milk
- 34.** Which of the following is the deficiency disease that is caused by lack of iodine?
- A. Anaemia
 - C. Scurvy

- B. Rickets
 - D. Goiter
- 35.** Why does a vacuum flask have a shiny inner surface?
- A. To transfer heat
 - B. To minimize loss of heat
 - C. To maximize loss of heat
 - D. To beautify the flask
- 36.** How do liquid change into gas?
- A. By heating
 - B. By cooling
 - C. By freezing
 - D. By adding chemicals
- 37.** Which of the following is an example of a carnivore?
- A. Magpie
 - B. Buffalo
 - C. Crocodile
 - D. Hippopotamus
- 38.** Which of the following types of traditional Kitchen is in the form of a hut?
- A. Traditional kitchen
 - B. Modern kitchen
 - C. Open-air kitchen
 - D. An enclosed kitchen
- 39.** What name is given to the force of attraction exists between pen and piece of paper?
- A. Magnetic force
 - B. Electrostatic force
 - C. gravitation force
 - D. elastic force
- 40.** Why a Bat is considered as a mammal?
- A. It has legs and fur
 - B. It lives in caves
 - C. It gives birth to live young ones
 - D. It is a warm blooded animal

SECTION B (60 MARKS)

AGRICULTURE (30 marks)

- 41.a.** State **two** improved varieties of Cassava (2 marks)

- b.** Why should Cassava cutting be planted at angle? (2 marks)

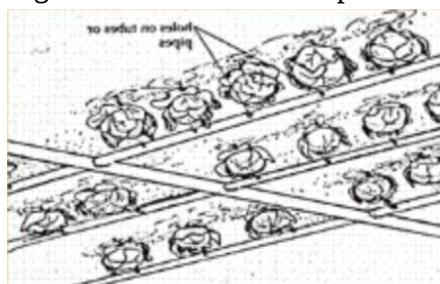
- 42.** A learner wanted to find out if soil contains air. The learner had the following materials for conducting the experiment: clear plastic bottle, jag and soil sample.

- a.** Name one material the learner forgot to include on the list of materials. (1 mark)

- b.** Why did the learner use a clear plastic bottle? (2 marks)

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

Figure 5 below is an example of irrigation method. Use it to answer the questions that follows.



43.a. Identify the method of irrigation (1 mark)

b. Explain why the method is very suitable for irrigation. (2 marks)

c. Give any **two** importance of irrigation (2 marks)

44.a. Give any **two** reasons why Chilunguni is suitable for fish farming in Malawi? (2 marks)

b. why are farmers encouraged to construct medium fish ponds? (3 marks)

The table below shows an example of physical farm record. Use it to answer questions that follows.

Crop	Field/plot	Hector	Yields
Vegetable	1	5	8, 000kg
Maize	3	5	6, 000kg
Groundnuts	5	2	25, 000kg

45.a. Identify the physical farm record. (1 mark)

b. Which crop had the highest yield? (1 mark)

c. Calculate the amount of money the farmer got if maize was sold at K250.25 per kg. (3 marks)

46.a. Define “**factors of production**”

(2 marks)

b. Mention any **two** characteristics of land as a factor of production.

(2 marks)

SCIENCE AND TECHNOLOGY (30 marks)

47.a. State any **two** functions of the liver

(2 marks)

b. Give four compartments of the heart.

(4 marks)

c. Define “**bleeding**”

(2 marks)

Study the experiment below and answer questions that follow.



48.a. Why did learners apply oil in both containers?

(2 marks)

b. Explain why roots in a container **B** are smeared with Vaseline?

(2 marks)

c. What is the aim of the experiment?

(2 marks)

d. Which container will lose water after observing the experiment for some days?

(2 marks)

49a. Construct a food chain for the following living things:

People, grasshopper, birds, green grass

(5 marks)

(a) Identify the producer from the food

(1 mark)

(b) Explain what will happen if all birds died? (2mark)

50.a. Define the term “**Metamorphosis**”.

(2 marks)

b. Give two insects that undergo complete metamorphosis

(2 marks)

51.a. Define the term “**Scientific investigation**”

(2 marks)

End of Question Paper

