



NALUNGA ZONAL EXAMINATIONS BOARD

2024-25 ZONAL MOCK EXAMINATION FOR STANDARD 8

PRIMARY SCIENCE

(100 marks)

Subject Number: P163

Time Allowed: 2 hours

8:00 – 10:00 am

Name of Candidate: _____

(Surname First)

Name of School : _____

Section A (40 Marks)

Answer **all** questions in this section. **Encircle** the letter representing the **correct answer**

PRIMARY SCIENCE

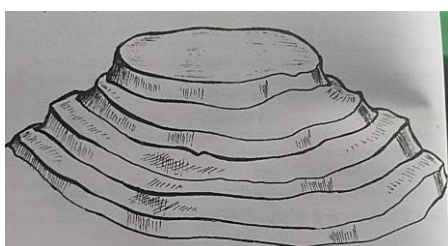
1. Which of the following is a deficiency of nitrogen?

- A. Poor root development
- B. Stunted growth
- C. Immature fruit fall
- D. Purple leaves

2. Which of the following problems of farm business can be solved by applying the principle of cooperative advantage?

- A. How much to produce
- B. How to produce
- C. Where to sell
- D. When to sell

Figure 1 shows water conservation structure, use it to answer question 3 and 4



3. Identify the method of controlling soil erosion

- A. Box ridges
- B. Contour bands
- C. Strip cropping
- D. Terraces

4. How the structure helps to conserve soil.

- A. It conserves moisture

B. It reduces the speed of run off

C. It reduces evaporation rate

D. It helps more crops to be grown

5. To which sub branch of agriculture does the growing of trees belong

A. Arboriculture

B. Agronomy

C. Silviculture

D. Agroforestry

6. Which of the following is one of the way of improving soil

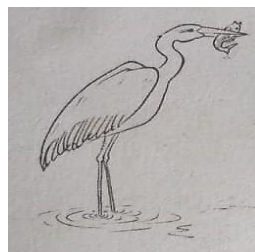
A. Crop rotation

B. Making planting materials

C. Adding oil to soil

D. Cutting down trees

The figure 2 below shows fish predators use it to answer Question 7 and 8



7. What is the name of predator?

A. Otter

B. Grey heron

C. Monitor lizard

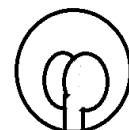
D. King fisher

8. Which of the following is the control measure of the predator above?
- Setting traps
 - Scaring them away
 - Keeping tall grass around the pond
 - Fencing the pond appropriately
9. The following are examples of broilers except
- Stabro
 - Indian liver
 - Ross
 - Hyaline
10. What is the recommended of applying fertilizer in a woodlot?
- Dollop
 - Foliar
 - Banding
 - Breading
11. Why New Zealand white and California black are recommended breeds in Malawi
- Because they grow faster than another breed
 - Because they do not eat everyday
 - Because they are black and white in color
 - Because they easily adapt in different condition
12. The mating of animals that are not closely related but belonging to the same breed is called _____
- Selection
 - Introduction
 - Out breeding
 - Cross breeding
13. State two examples of indigenous fruits
- Guava and Orange
 - Tangerines and Masawu
 - Mangoes and Maye
 - Masuku and Maye
14. Which of the following is the Variety of Cassava?
- Manyokola
 - Malimba
 - Kakoma
 - Baka
15. Why is trimming important in flower
- Controls disease
 - Adds nutrients
 - Restricts growth
 - Reduce competition
16. Which of the following is a cash crop?
- Maize
 - Tobacco

- Rice
 - Cassava
17. Which of the following is a solution to problem of seasonality of produce?
- Storing the produce when plenty
 - Seling the produce quickly
 - Packaging produce in suitable containers
 - Keeping the produce near a market
18. Which of the following is a last step followed when transplanting mangoes?
- Removing polythene tube
 - Matching seedlings
 - Press soil around the roots
 - Dig out the seedings
19. Which of the following layers of soil has the highest organic matter?
- Parent rock
 - Weathered rock
 - Top soil
 - Sub soil
20. Which of the following factors is necessary for selecting good seeds for planting?
- Color
 - Size
 - Shape
 - Wholeness

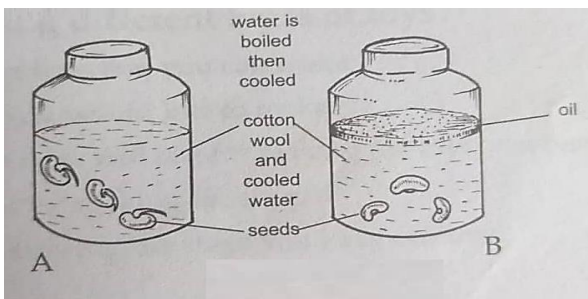
SCENCE AND TECHHNOLOGY

21. Where does the exchange of gases occur in the lungs?
- Pleural suck
 - Trachea
 - Gullet
 - Air sacks
22. What methods can you use to separate the mixture of water and paraffin?
- Decantation
 - Magnetism
 - Evaporation
 - Winnowing
23. Which of the following is the best for HIV and Aids patient which help to strengthen then immune system?
- Gallic
 - Milk
 - Snail
 - Chips
24. *Study the figure below and answer the question below*



- A. Switch
 - B. Fuse
 - C. Bulb
 - D. Connecting wire
25. A discolored mark on garment or article is called
- A. Dye
 - B. Stain
 - C. Blood
 - D. Dot
26. What is the term given to the substance in which something dissolves?
- A. Suspension
 - B. Insoluble
 - C. Solute
 - D. Solvent
27. Give a reason why pregnant women need calcium and phosphorus
- A. For formation of new tissues
 - B. For development of bones and cartilage
 - C. For formation of red blood cells
 - D. For the body to be health

Figure is showing a setup of an experiment to find out on the necessary condition for seeds to germinate. Use it to answer Questions that follows



28. What condition for seed is germination is being investigated in the diagram?
- A. Moisture
 - B. Sunlight
 - C. Air
 - D. Soil
29. Give a reason why boiled water was used in the investigation
- A. To remove air
 - B. To fasten the process and seed germination
 - C. To allow water to accumulate more air
 - D. None of the above
30. Why was soil added to the bottle of investigation?
- A. To support the seed
 - B. To supply a lot of air to the water

- C. To improve moisture content
 - D. To prevent air from entering the bottle
31. Which of the following is not an example of invertebrates?
- A. Arthropods
 - B. Birds
 - C. Mollusks
 - D. Worms
32. What is another name of kinetic energy?
- A. Strain energy
 - B. Energy of shape
 - C. Energy of movement
 - D. Potential energy
33. Which of the following are food sources of carbohydrates?
- A. Nuts and cassava
 - B. Rice and potatoes
 - C. Nsima and meats
 - D. Bwemba and cheese
34. Which of he following is the problem of mortar and pestle as a technology
- A. Can be expensive
 - B. Erasure's animals
 - C. Pollute water resources when it rains
 - D. Too slow for processing food
35. What name is given to a method of cooking food in a liquid for a long period of time to soften it?
- A. Stewing
 - B. Steaming
 - C. Frying
 - D. Boiling
36. Which of the following is the sign of marasmus?
- A. Diarrhoea
 - B. Menta retardation
 - C. Stunted growth
 - D. Upper limbs get thin
37. What name is given to small openings that allows water and air to pass in and out in a leaf?
-
- A. Lamina
 - B. Stomates
 - C. Photosynthesis
 - D. Midrib
38. The following are factors to be consider when panning packed meals except
- A. Nature of work
 - B. Banana leaves
 - C. Nature of food
 - D. Drinks

39. Which of the following is a disease that affect breathing system of human being?

- A. Asthma
- B. Malaria
- C. Constipation
- D. Headch

40. Which of the following is a technology for conserving the environment?

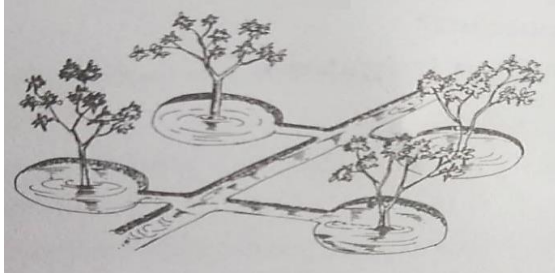
- A. Fertilizer
- B. Catapult
- C. Bicycle
- D. Briquettes

SECTION B
AGRICULTURE

41. a. Define the term irrigation

_____ (1 Mark)

b. *The figure below shows method of irrigation*



i. What type of irrigation is shown in the figure above.

_____ (1 Mark)

ii. State any two crops suitable for the type of irrigation

_____ (2 Marks)

42. a. Write down any two characteristics of cattle suitable for milk production

_____ (2 Marks)

b. State any two signs and symptoms of Newcastle disease

_____ (2 Marks)

c. State one use of hoe on a farm

_____ (1 Mark)

43. a. Define the term fruit propagation

_____ (1 Mark)

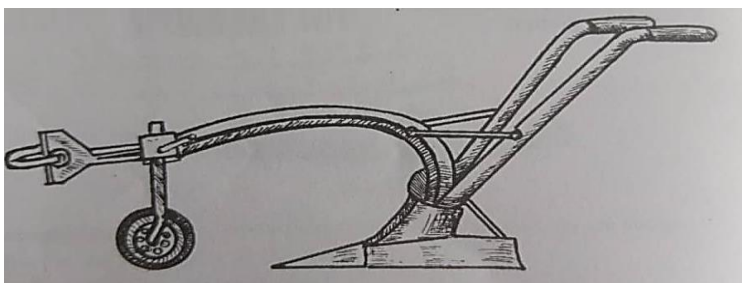
b. Describe any one method of fruit propagation

_____ (2 Marks)

c. State any two risks associated with farm business

_____ (2 Marks)

Study the figure below and use it to answer questions that follows



44. a. Name the farm machinery

_____ (1 Mark)

b. what is the use of farm machinery

_____ (1 Mark)

c. State any two system of agroforestry

_____ (2 Mark)

d. Give any one types of soil structure

_____ (1 Mark)

45. a. Give any two product which can be obtained from hoofs

_____ (2 Mark)

b. What is the difference between roughages and concentrates

_____ (2 Mark)

c. State any one type of flower

_____ (1 Mark)

46. a. What is farming calendar

_____ (1 Mark)

b. Why farming calendar is different throughout Malawi

_____ (1 Mark)

c. State any one example of fruit vegetables

_____ (1 Mark)

d. Give a reason why water in a bucket with fingering must have the same temperature as water in a pond during stocking

_____ (2 Marks)

Science And Technology (30 MARKS)

47. a. State any two misconceptions about pregnancy

_____ (2 Marks)

b. List down any one reason why people may become vegetarians

_____ (1 Mark)

48. a. *Figure is a diagram showing parts of human brain*



i. Identify the parts labeled A and C

A. _____
B. _____ (2 Marks)

ii. What is the function of part marked B
_____ (2 Marks)

b. Give any two ways of caring for the brain

_____ (2 Marks)

49. a. Why fish make it possible to move rapidly in water?
_____ (2 Marks)

b. State any one advantage of frying a methods of cooking
_____ (1 Mark)

c. Differentiate between modern and traditional kitchen

_____ (2 Marks)

50. a. Classify the following animals according to the food they eat:

Elephant, hawks, goats, snakes and hares

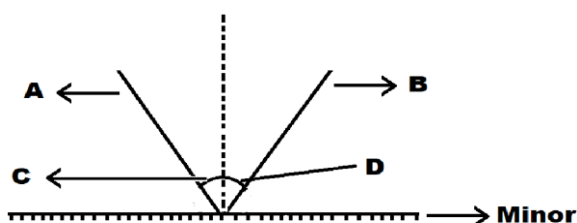
Herbivores

Carnivores

b. state any two uses of electricity

_____ (2 marks)

51. figure is a diagram showing property of light



i. What name is given to the part marked B and C

_____ (2 marks)

ii. Explain what will happen when the part marked A reflect on the mirror

_____ (2 marks)

52. a. why under-five clinic is important? Give one point
_____ (2 marks)

b. list down any two examples of non-flowering plants

_____ (2 marks)

c. Mention any one effects of premarital sex
_____ (1 mark)