



NJEWAZONE EXAMINATIONS BOARD

2024 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK TWO EXAMINATION

PRIMARY SCIENCE

(100 marks)

Subject number: **P041**

Time allowed: 2 hours

08:00 – 10:00 am

Friday, 8th March

Name of candidate _____

(Surname first)

Name of School _____

Instruction

1. This paper consists of 8 printed pages.

Please check.

2. Write your Name and Name of school in the space provided above and your Examination Number on top of each page of the question paper.

3. This paper consists of two sections: A, and B.

4. Follow instructions for each section carefully

5. In the table provided tick against the question number you have answered

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

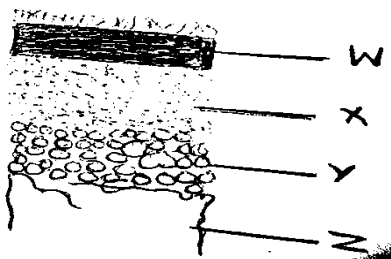
Question Number	Tick if answered	Do not write in these columns	
1 - 20			
20 - 40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
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SECTION A
AGRICULTURE (20 MARKS)

1. Which of the following sub branches of crop husbandry does vegetable family belong?
 - a) Agronomy
 - b) arboriculture
 - c) olericulture
 - d) Agroforest
2. Packing is the marketing function. State the activities involved?
 - a) Sorting and weighing
 - b) Wrapping and searching
 - c) Grinding and pounding
 - d) Sorting and wrapping
3. Which of the following statements best define the term forest?
 - a) Is an area covered by grass only
 - b) Is an area covered by both trees and grass
 - c) Si an area covered by trees only
 - d) None of the above
4. What name is given to the process in which water vapour is lost from water bodies and plants?
 - a) Condensations
 - b) Precipitation
 - c) Evapotranspiration
 - d) Evaporation
5. All farm records dealing with production are called _____
 - a) Physical farm records
 - b) Milk production
 - c) Labour records
 - d) Records of items in a farm
6. Name the soil layer labelled X
 - a) Top soil
 - b) Parent rock material
 - c) Weathered rock
 - d) Sub-soil
7. Which of the four layers W, X,Y,Z is the most suitable for beans production
 - a) X
 - b) W
 - c) Y
 - d) Z
8. Which of the following is not a factor of production?
 - a) Management
 - b) Slope
 - c) Labour
 - d) Capital
9. Which of the following ways of Improving soil fertility means leaving the land uncultivated for some time so that the bush grows?
 - a) Fallowing
 - b) Mixed cropping
 - c) Crop rotation
 - d) Agro-forest
10. Which districts have favourable condition for the growing of Bananas?
 - a) Salima and Chipita
 - b) Blantyre and Balaka
 - c) Mulanje and Thyolo
 - d) Thyolo and Lilongwe
11. What is the advantage of seed propagation over grafting method?
 - a) It is cheap and easy
 - b) It takes a short period of time to start bearing fruits

Figure 1; shows a soil profile, study it and answer questions 6 and 7



- c) It bears more fruits
d) It is expensive
12. Which of the following is a deficiency sign of phosphorus in plants?
a) Yellow leaves
b) Poor root development
c) Immature fruit fall
d) Stunted growth
13. What products do we get from domesticated birds apart from meat and eggs?
a) Milk and hides
b) Milk and hone
c) Meat and feathers
d) Feathers and manure
14. Why is hardening off the seedling on the nursery bed important?
a) To reduce competition for food
b) To prepare the seedling for the hot and dry season
c) To make the soil loose
d) To reduce pest and diseases
15. Explain how you can control external parasites of rabbits.
a) Kill all the rabbits
b) Keep the cage/khola clean
c) Vaccinate all rabbits
d) Give the rabbits coccidiostats
16. Why is agriculture regarded as a business?
a) Farmers grows crops and rear animals for profit
b) Farmers grow crops for food
c) Farmers rear animals to attract tourist
d) Famers rear animals for meal
17. Define stocking
a) Putting dead fish in a pond
b) Putting feeds in a pond
c) Putting live fish in a pond
d) Killing the fish

Figure 2; is an indigenous farm technology. Use it to answer question **18** and **19**



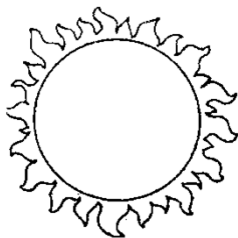
18. Identify the technology.
a) Quern
b) Ball
c) Planting flame
d) Leaf bag
19. What is the use of the technology?
a) For size reduction of legumes
b) For sorting maize
c) For storing dry vegetables
d) For controlling weevils
20. Which of the following is not one of the importance of soil?
a) Hold plant
b) Contains inorganic matter
c) Provide air
d) Suppliers water to plants

SCIENCE AND TECHNOLOGY

21. Mushroom does not produce its own food because it has no _____.
a) Shoots
b) Leaves
c) Chlorophyll
d) True
22. Goiter is a nutritional deficiency disease which occurs due to lack of _____.
a) Carbohydrates
b) Lodine
c) Vitamin A
d) Proteins

23. Drug and substance abuse can cause _____.
- Coughing
 - Suffocation
 - Brain damage
 - Choking
24. Which force can cause the ball thrown upwards to return to the ground?
- Electric force
 - Frictional force
 - Gravitation force
 - Magnetic force
25. Which of the following disease can be controlled by eating a balanced diet?
- Malaria
 - Polio
 - Diarrhoea
 - Marasmus
26. Which of the following is the importance of planning meals?
- Breakfast
 - Helping to save time
 - Number of people
 - Nutritional value of each type of food
27. Which of the following is an example of indigenous technology?
- Catapult
 - Torch
 - Cell phone
 - Wheel barrow

Figure 3; is a diagram showing a source of energy and use it to answer question 28,29 and 30



28. What type of energy is converted from the source above?
- Solar energy
 - Electric energy
 - Fuel energy
 - Kinetic energy
29. Mention any two appliances that can use the type of energy above?
- bicycle and car
 - radios and torch
 - wheelbarrow and radios
 - ox-cart and television
30. What is the advantage of using the source of energy above?
- It is expensive
 - It is not locally found
 - It requires more care
 - It is cheap
31. Which of the following is the function of ovaries in the human body?
- Transporting wastes
 - Storing urine
 - Producing sperm
 - Producing eggs
32. Which of the following is the third step in laundering?
- washing
 - Drying
 - Soaking
 - Sorting
33. Which of the following is the disadvantage of processing food?
- Loss of quality
 - Loss of flavour
 - Loss of texture
 - Loss of nutrients
34. Where in the body does the absorption of water take place?
- In the large intestines
 - In the small intestines
 - In the stomach

- d) In the gullet
- 35.Name the parasite that cause malaria
 - a) Trypanosome
 - b) Plasmodium
 - c) Mosquito
 - d) Bacteria
- 36.Which of the following is the function of hair in the nose?
 - a) For smelling
 - b) For decoration
 - c) To trap dust
 - d) For hearing
- 37.The following are the process of laundering except _____.
 - a) Mending
 - b) Blowing
 - c) Ironing
 - d) Soaking

- 38.Why are petals brightly coloured?
 - a) To beautify flowers
 - b) To attract insect for accidental pollination
 - c) For fast growth of the plant
 - d) To accommodate other plants
- 39.Which blood vessel carries blood from the lungs?
 - a) Pulmonary artery
 - b) Aorta
 - c) Hepatic artery
 - d) Pulmonary vein
- 40.One example of anthropods is _____.
 - a) Snail
 - b) Earth worm
 - c) Fluke
 - d) Insect

SECTION B (60marks)

AGRICULTURE

- 41.
 - a. What happens to the price when the demand of fish is high at the market? _____(2marks)
 - b. State two conditions for using substitution of inputs on the farm? _____(2marks)
 - c. Mention three aims of agriculture as business. _____(3marks)
- 42.
 - a. Define forestry _____(2marks)
 - b. State any two ways of managing a woodlot _____(2marks)
 - c. In an agroforestry, why are leguminous trees planted together with crops?(Give one way)

_____ (1mark)

43.

a. State two characteristics of a good cock.

 _____ (2 marks)

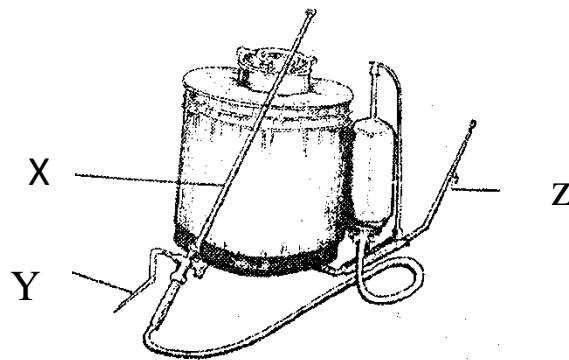
b. Explain the difference between browsing and grazing.

_____ (2marks)

c. State any two animal husbandry practices.

 _____ (2marks)

Figure 4 below shows a farm machinery. Use it to answer questions that follows



44. a. Name the farm machinery. _____ (1mark)

b. State the parts marked. _____ (3marks)

- i. X _____
- ii. Y _____
- iii. Z _____

c. State the use of the farm machinery. _____ (1mark)

45. a. Define fruit propagation. _____ (2 marks)

b. State two reasons why pruning is important in fruit trees? _____ (4marks)

c. Why is it important to have enough workers on the farm?

_____ (1mark)

SCIENCE AND TECHNOLOGY

46.

a. State three types of food based on their function.

_____ (3marks)

b. Give any two reasons of preserving food.

_____ (2marks)

c. Give any two effect for preserving food.

_____ (2marks)

Read the statement carefully and answer questions 47(a) and (b).

Maria mixed sugar and water for her breakfast

47. a. Identify the following:

i. Solute

_____ (1 marks)

ii. Solvent

_____ (1 marks)

b. Give any three factors that would affect solubility of sugar in water.

_____ (3marks)

c. State one problem of the following classroom technology.

i. Radio

ii. Chalkboard

_____ (2marks)

48.

a. State any three groups of vertebrate animals.

_____ (3marks)

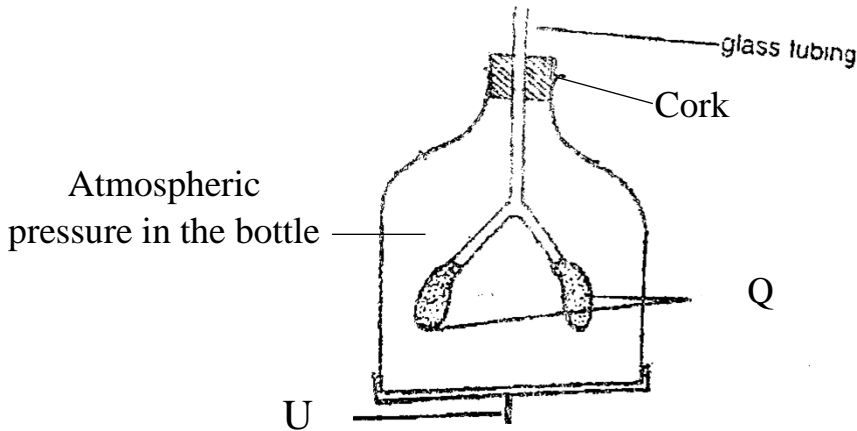
b. Mention two characteristics of amphibians.

_____ (2marks)

c. State two ways how fish protect themselves from enemies.

(2marks)

Figure 5 below shows model of a human breathing system. Use it to answer questions that follows



49. a. Name the parts marked.

Q _____
U _____

(2marks)

b. What happens to the following parts during breathing in

Q _____ (2marks)
U _____ (2marks)

50. a. List any two nutritional deficiency diseases.

(2marks)

b. Explain any two importance of balanced meals to HIV patients.

(2marks)

END OF QUESTION PAPER

NB: This paper consists of 8 printed pages.