



MONJOLE COMMUNITY PRIMARY SCHOOL

2021/2021 PRIMARY SCHOOL LEAVING CERTIFICATE MOCK EXAMS

PRIMARY SCIENCE

(100 MARKS)

SUBJECT NO: P163

TIME ALLOWED: 2 hours

08:30 – 10:30 am

Name of Candidate: _____

(Surname first)

Name of School: _____

Instructions

1. This paper contains 7 pages please

check

2. This paper has section A which

consists of **40** Multiple choice and

section **B** with **11** structured questions

3. Answer **all** question

4. Please make sure you have written your

name and **examination number** and

school name on the question paper in

the spaces provided.

Question number	Tick if 41 – 51 if answered	Do not write in these columns	
1-10			
11 – 20			
21 – 30			
31 – 41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			



SECTION A: AGRICULTURE

1. Why is mulching important in soil conservation
 - A. It helps to cover the plants
 - B. It speeds up the growth of plants
 - C. It helps to conserve moisture
 - D. Cassava and bananas
 2. Which of the following crops can be propagated by cuttings?
 - A. Bananas and sweet potatoes
 - B. Irish potatoes carrots
 - C. Cassava and sweet potatoes
 - D. Cassava and bananas
 3. A fish farmer noted that there was large amount of uneaten food in her pond. Why is this dangerous?
 - A. It causes parasites to multiply
 - B. It makes the pond to produce bad smell
 - C. It attracts fish predators
 - D. It results in lack of oxygen
- Figure 1 below shows one of the feeding habits of goats. Use it to answer questions 4 and 5



4. The feeding habit shown above is
 - A. Grazing
 - B. Browsing
 - C. Skirting
 - D. Drenching
5. The following are importance of goats except
 - A. Source of beef
 - B. Source of manure
 - C. Source of raw materials
 - D. Source of income
6. Which of the following statement best defines the term soil structure?
 - A. It is arrangement of the soil particles to form different shapes
 - B. It is the coarseness and fineness of the soil
 - C. It is the vertical section through the soil showing horizontal layer
 - D. It is the removal of top soil by the action of water and wind
7. Which of the following weeds is common in a maize field?
 - A. Kalisoga
 - B. Blackjack
 - C. Star grass
 - D. Witch weed
8. Which of the following record is a physical record?

- A. Crop record
 - B. Labour record
 - C. Expenditure record
 - D. Field operations record
9. Which system of agro – forestry involves planting trees and shrubs along the boundaries of arable crops?
 - A. Fodder bank
 - B. Asley cropping
 - C. Live fence
 - D. Improved fallow
- Figure 2 is a farm machinery. Use it to answer questions 11 and 12.

10. What name is given to the farm machinery?
 - A. Plough
 - B. Disk plough
 - C. Ridger
 - D. Mouldboard
11. What activity is being done in figure 2 above?
 - A. Spraying
 - B. Maintaining
 - C. Ploughing
 - D. Ridging
12. Pruning is important in fruit tree because;
 - A. It improves quality and yield of fruits
 - B. It improves taste
 - C. It encourages death weeds in the orchard
 - D. Fruits become sour
13. Why is sun drying important in fish?
 - A. Improve quality of fish
 - B. To share the fish easily
 - C. Help to reduce taste
 - D. Help to prevent fish from rotting
14. Which of the following is the disadvantage of battery cage “cage”?
 - A. It requires less labour
 - B. It is expensive to buy the wire cage
 - C. It is easy to collect eggs
 - D. High production of meat, eggs and manure
15. Which of the following are examples of indigenous trees?
 - A. Chitimbe and blue gum
 - B. India and pine
 - C. Cyprus and pine
 - D. Msangu and tsanya
16. The following are problems of farm business except;
 - A. What to produce
 - B. Which to sell
 - C. How much to produce

- D. Where to produce
17. Which of the following feeds are examples of concentrates?
- Maize bran and cotton seed cake
 - Maize meal and sorghum stalks
 - Meat meal and green grass
 - Elephant grass and maize stalks
18. The loss of water from soil and water into the atmosphere in form of vapour is called?
- Transpiration
 - Precipitation
 - Condensation
 - Evaporation
19. Which of the following crop belong to agronomy?
- Blue gum
 - Goats
 - Groundnuts
 - Oranges
20. Why is vegetative cover important in crop production?
- It provides firewood
 - It reduces pests
 - It provides timber
 - It conserves soil

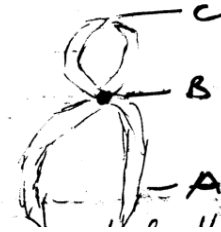
SCIENCE AND TECHNOLOGY

21. The term "Variable" in the scientific investigation means?
- Predicting the solution to problem
 - Collecting information
 - Things that can change
 - Writing a report of an investigation
22. Mention 2 effects of drug and substance abuse on the brain
- Mental disorder and intoxication
 - Poisoning and regular exercises
 - Eating good meals and injury
 - Death and stomachache
23. These are sense organs except
- Skin and nose
 - Eye and nose
 - Tongue and skin
 - Ear and leg
24. Which of the following is the problem of the tongue?
- Cold and flue
 - Sores
 - Nausea
 - Vomiting
25. Which of the following are uses of sound?
- For community
 - Change direction of objects
 - Show the height of objects
 - For travelling

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26. Which of the following is the fluid releases by the gall bladder?
- Pancreatic juice
 - Urine
 - Bile
 - Gastric juice

Figure below is a diagram of a machine. Use it to answer questions 27 and 28



27. Name the parts labelled A and C
- Fulcrum and effort
 - Effort load
 - Load and fulcrum
 - Effort and scissors
28. Where is the fulcrum located in class one levers?
- After load and effort
 - At the load
 - At wedge
 - Between the load and effort
29. The following are characteristics of mammals, except
- Lay eggs
 - Breast feeding
 - They give birth
 - Reduce milk

Study the figure below and use it to answer questions that follow;

30. Name the part labelled Y
- Micropyle
 - Seed coat
 - Hilum
 - Radical
31. Which of the following is responsible for the removal of carbon dioxide in the body?
- Lungs
 - Skin
 - Kidney
 - Liver
32. What name is given to animals that eat plants only?
- Carnivores
 - Herbivores
 - Omnivores
 - Invertebrates
33. The heart pumps blood to lungs through _____

- A. Venacava
- B. Aorta
- C. Pulmonary artery
- D. Pulmonary vein

34. What is obesity?

- A. It is the state of becoming excessively fat
- B. It is the state of becoming excessively sick
- C. It is the state of becoming excessively thin
- D. It is the state of becoming excessively ill

35. Which of the following membranes protect the unborn baby?

- A. Ammonic membrane
- B. Cervical membrane
- C. Synovial membrane
- D. Uterus membrane

36. Why are rollers used in inclined planes?

- A. To increase friction
- B. To stop the object from moving
- C. To obtain a higher mechanical advantage
- D. To make the object move very slowly

37. The separation of liquid mixtures with components of different boiling points is called?

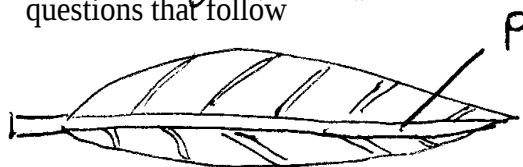
- A. Filtration
- B. Evaporation
- C. Decanting
- D. Distillation

38. Define echo

- A. High pitched sound

- B. Vibrating sound
- C. Reflected sound
- D. Loud sound

Study the diagram in figure below and answer the questions that follow

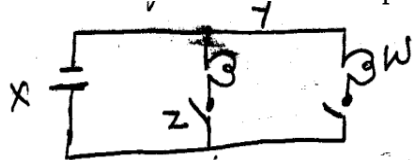


39. Name the part labeled P

- A. Midrib
- B. Apex
- C. Leaf blade
- D. Lamina

40. Describe the function of stomata in leaves

- A. To allow sunlight to enter the flowers
- B. To manufacture food for the plant
- C. Allow soil nutrients to get absorbed by the roots
- D. To allow water and air pass in and out of the plant



41. Which letter represents a cell

- A. X
- B. Z
- C. W
- D. Y

SECTION B (60 MARKS)

AGRICULTURE

42. a) Give any two activities carried out during land preparation

_____ (2 Marks)

b) List down any two factors to consider when choosing a site for a fish pond

_____ (2 Marks)

c) Explain the following terms;

i. Quarantine _____

_____ (1 Mark)

ii. Transplanting _____

_____ (1 Mark)

d) What term is used to describe the act of putting live fish in a pond?

_____ (1 Mark)

43. a) Arrange the following crops into food crops and cash crops; **Cotton, Cassava, Sunflower, Maize**

Food crops

Cash crops

_____ (4 Marks)

b) List down any two characteristics of exotic trees

_____ (2 Marks)



c) Explain any one way in which trees reduce soil erosion

_____ (1 Mark)

Table 1 shows an example of physical farm record. Use it to answer question 44.

CROP	PLOT	HECTARE	YIELD (Kg/ha)
Cassava	1	1	2500
Maize	2	1	20000
Sweet potatoes	3	1	25000

44. a) Identify the physical farm record shown above

_____ (1 Mark)

b) Which crop had the highest yield

_____ (1 Mark)

c) Calculate the amount of money the farmer obtained if maize was sold at K40.00 per kilogram

_____ (4 Marks)

45. a) Mention any one breed of rabbits

_____ (1 Mark)

b) Apart from coccidiosis add any one disease of rabbits

_____ (1 Mark)

c) Explain the term irrigation

_____ (1 Mark)

d) Why is irrigation important? Give two reasons

_____ (2 Marks)

46. a) Define fish farming

_____ (1 Mark)

b) What are two characteristics of fish species suitable for fish farming?

_____ (2 Marks)

c) Why is it important to improve soil fertility? Give any one reason

_____ (1 Mark)

d) List down any two activities that are involved in agroforestry management

_____ (2 Marks)

SCIENCE AND TECHNOLOGY

47. a) Define the term 'stain'

_____ (1 Mark)

b) Write down any two examples of mineral stain

_____ (2 Marks)

c) State any one property of the following

I. Sound _____ (1 Mark)

II. Light _____ (1 Mark)

d) Describe the use of the following technologies

(i) Projector _____ (1 Mark)

(ii) Periscope _____ (1 Mark)

Figure 7 below is a diagram of invertebrate. Use it to answer question 48.

48. a) To which group of invertebrates does the animal belong? _____ (1 Mark)
- b) Apart from the animal above. Mention any other two invertebrates which belong to the group that you mentioned in 48 (a) _____ (1 Mark)
- c) What are the two disadvantages of the invertebrates _____ (2 Marks)
49. a) What is digestion? _____ (1 Mark)
- b) Provide one function of each of the following parts of the human digestive system
- i. Colon _____ (1 Mark)
- ii. Gall bladder _____ (1 Mark)
- c) Explain the difference between the following terms solute and solvent _____ (2 Marks)
50. a) List down any two main processes in Laundry _____ (2 Marks)
- b) Give any two types of fabrics in which bleaches are used? _____ (2 Marks)

Figure below shows a diagram of a technology. Use it to answer question 51

51. a) Name the technology shown above _____ (1 Mark)
- b) Explain the use of the technology _____ (1 Mark)
- c) Provide any one disadvantages of the technology above _____ (1 Mark)
52. a) Explain any two effects of food taboos and beliefs _____ (2 Marks)
- b) Describe any two good eating habits _____ (2 Marks)
- c) Give any one example of the food nutrients _____ (1 Mark)

END OF QUESTION PAPER!!