

INTENSIVE CARE SCHOOLS WANDI
P. 4 Beginning Of
Term II Examination 2024.
Integrated Science.

Time allowed: 2 hours and 15 minutes

Name: _____

SECTION A (40 marks)

1. Name the main source of energy in the environment.

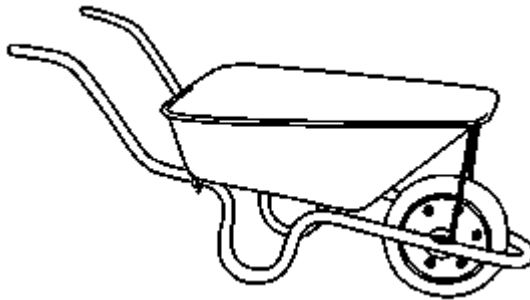
2. Why is harvesting mainly done in the dry season?

3. State the role of chlorophyll during photosynthesis.

4. Give one cause of soil erosion.

5. Why do animals move from one place to another?

The diagram below shows one of the tools farmers use. Use it to answer questions 6 and 7.



6. Name the garden tool shown above.

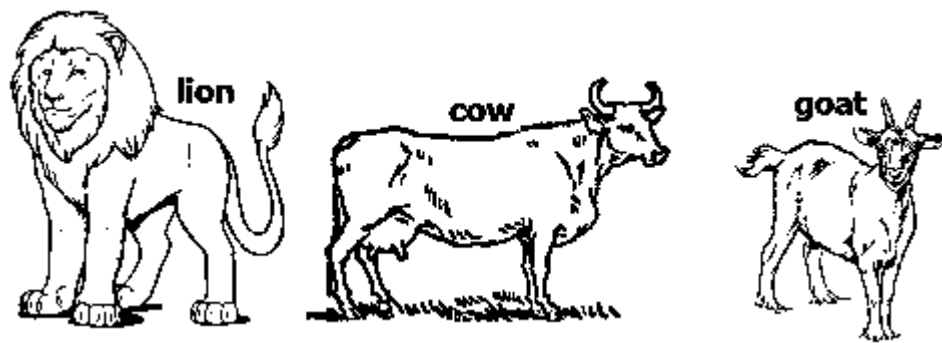
7. How is the above garden tool useful to a farmer?

8. How does sleeping under a mosquito net control malaria?

9. Which body organ helps to take oxygen into our bodies?

10. Write down one method of preserving food.

The diagram below shows three animals. Use it to answer questions 11 and 12.



11. Which animal is different from the others in the list?

12. Give a reason for your answer in (11) above.

13. How are vitamins important in our bodies?

14. Which part of the body is affected by fractures?

15. What is pollination?

16. Why does dew form at night?

17. Give one reason why a person should have regular physical exercises.

18. Which property of air helps people to take soda using a straw?

The diagram below shows a part of a plant. Use it to answer questions 19 and 20.



19. What type of stem is shown in the diagram above?

20. Why do such stems climb others?

21. Which organ of the body makes use of light energy?

22. Name one animal that protects itself from its enemies by changing colour.

23. How is a weather chart important in a classroom?

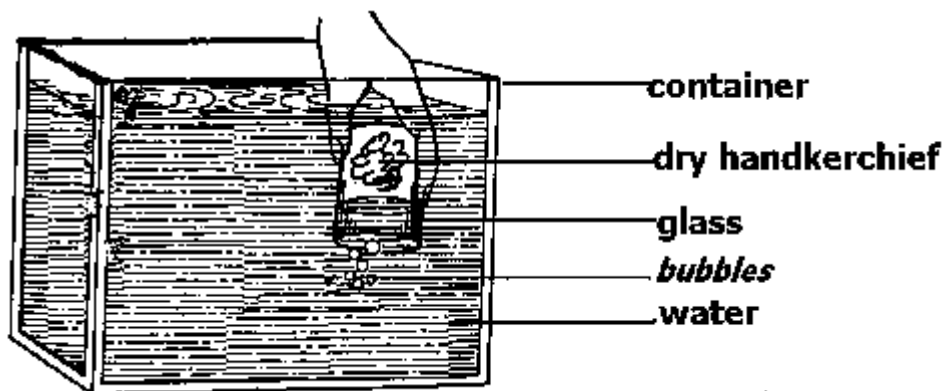
24. Mention one disease that affects cassava plants.

25. Write down one method of preparing meat for eating?

26. Give one sign of poor sanitation of a home compound.

27. What are vectors?

The diagram below shows a glass with a handkerchief in it being into a container full of water. Whe the glass was pulled out, the handkerchief was still dry.



28. What property of air does the experient show?

29. Give one reason why the handkerchief remained dry.

30. Give one activity a P. 4 can carry out to protect the environment.

31. Name one waste product from animal bodies.
32. Which class of food promotes growth and repair of worn out parts of our bodies?
33. How do plants depend on animals during photosynthesis?
34. Mention one use of electricity in a home.
35. Give any one reason why a healthy seed may fail to germinate.
36. State one effect of AIDS on the family of the patient.
37. How are stomata in plants similar to gills of a fish?
38. Give one danger of pests in a crop garden.
39. How does the planting of grass in the compound help in controlling soil erosion?
40. Mention one way people use birds to support themselves in life.

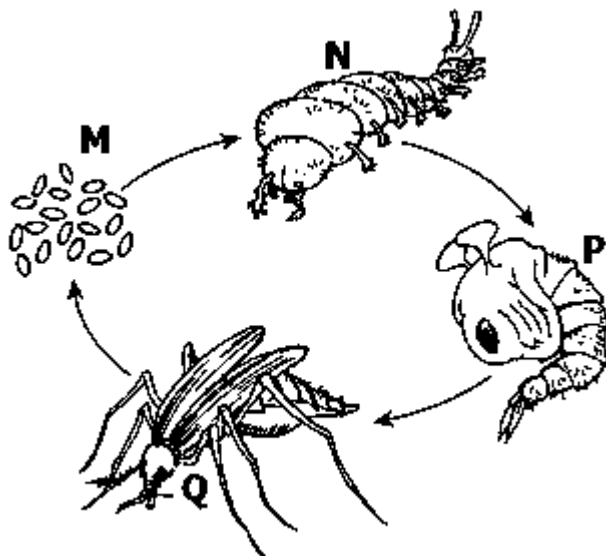
Section B: (60 marks)

- 41(a) Give one example of a seed that undergoes epigeal germination?
- (b) How is water important to a bean seed during germination?
- (c) What is the importance of a cotyledon to a germinating bean seed?
- (d) What part of a seed develops into the root system?
- 42(a) Give one form of energy from the sun.
- (b) Apart from the sun, name one other source of energy.

(c) Write down one fuel people use to produce heat in our homes.

(d) Give one way using electricity is better than using firewood when cooking food.

43. **The diagram below shows the life cycle of a mosquito. Use it to answer the questions that follow.**



(a) In which habitat is stage marked M found?

(b) Name the stage marked N.

(c) How is stage marked Q dangerous to human health?

(d) Give one way people can control mosquitoes at stage marked P.

44(a) Name one natural source of water.

(b) Give one way of making water safe for drinking apart from boiling it.

(c) Write down one way water sources get contaminated.

(d) State one way of protecting water sources from contamination.

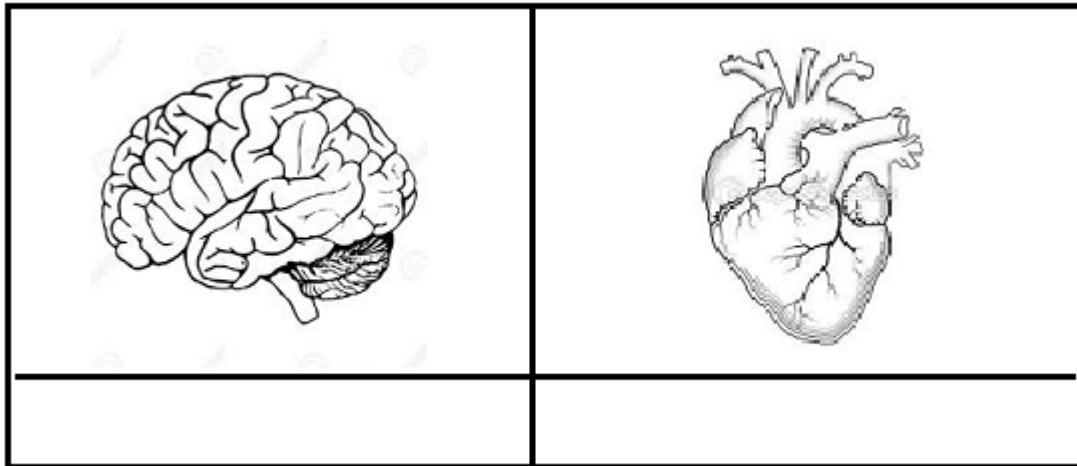
45(a) Mention one object that can cause wounds on our bodies?

(b) Give one reason for administering first aid to a casualty.

(c) Give the importance of surgical spirit in giving first aid?

(d) Apart from surgical spirit, write down one other item kept in a first aid box.

46(a) Name the body organs in the diagram below.



(b) How does medicine taken through the mouth reach a wound on the toe?

(c) Give one importance of the kidneys in our body.

47(a) Why do people cut down trees in the environment.

(b) Give one way drought is dangerous in the environment.

(c) Mention one way the process of condensation is important in our environment.

(d) State one way soil erosion can be controlled.

48(a) Mention one problem that a person with dirty bedsheets can face.

(b) Why is it important to wash our clothes after wearing them?

(c) Give one reason why it is a good health practice to cut short nails on our toes.

(d) Write down one parasite commonly found on the hair of people with poor hygiene.

49(a) How is a minimum and maximum thermometer useful at a weather station?

(b) State any one way clouds are important in the environment.

(c) Mention one way too much rainfall is dangerous in the environment.

(d) Give one way people manage sunny weather in their lives.

50. **Match the deficiency diseases with their causes correctly.**

Anaemia lack of vitamin C.

Kwashiorkor lack of iron.

Marasmus lack of proteins.

Scurvy lack of carbohydrates.

(i) Anaemia _____

(ii) Kwashiorkor _____

(iii) Marasmus _____

(iv) Scurvy _____

51(a) What is weeding?

(b) Give one way weeding helps farmers to produce good crops.

(c) Mention any crop farmers harvest by uprooting.

(d) State one way of controlling pests in a crop garden.

52(a) Mention one type of germs.

(b) Write down one disease caused by germs.

(c) State one way vectors spread germs to human beings.

(d) Give one way diseases are controlled in a community.

53(a) Write down one non-living thing in the environment.

(b) Give one characteristic common in all insects.

(c) Mention one way an animal can depend on other animals in the same environment.

(d) State one way man benefits from plants in the environment.

54(a) Give one process that needs oxygen to take place.

(b) Which gas takes the biggest part of air?

(c) Why is carbon dioxide used in fire extinguishers?

(d) State one danger of moving air in the environment.

55(a) Which layer of soil has most humus?

(b) Name the living component of soil.

(c) Give one way clay soil is useful to man.

(d) What does the experiment below prove about soil?

