

SMILE EDUCATION CONSULTANCY BUSUNJU
P. 4 End of Term III Examination, 2023.
Integrated Science
Time allowed: 2 hours and 15 minutes

Name: _____

SECTION A: (40 marks)

1. Give one example of an annual crop.

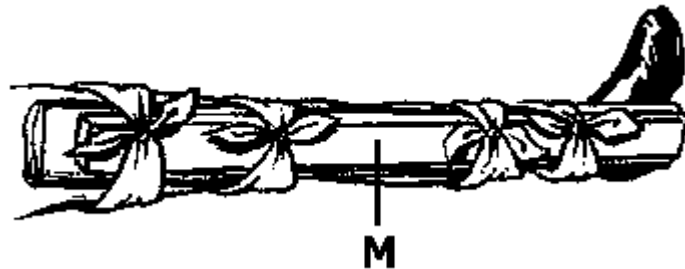
2. State one characteristic of living things.

3. Which body organ helps man to feel warmth?

4. Give one way farmers care for their garden tools.

5. Which pigment makes plant leaves appear green?

The diagram below shows an injured leg. Use it to answer questions 6 and 7.



6. State the scientific name given to part marked M.

7. How is part M important in giving first aid to the casualty?

8. State one effect of diarrhoea on the body.

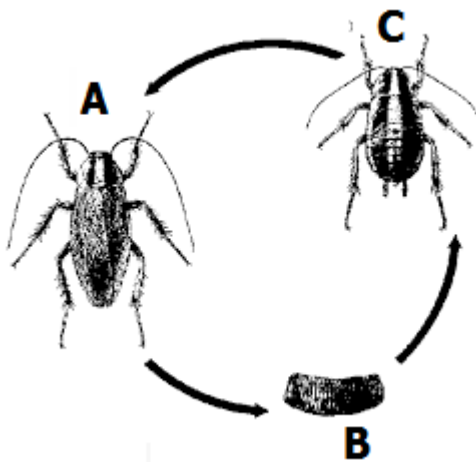
9. Give one way farmers control pests in a crop garden.

10. Mention any natural change caused by the sun in the environment.

11. Write down any one way people promote good sanitation at home.

12. Why is the glass envelope of a lamp made of a transparent material?

The diagram below shows the life cycle of a cockroach. Use it to answer questions 13 and 14.



13. Name the stage marked B.

14. State one difference in the physical appearance of stage marked C and stage marked A.

15. Mention one animal people keep for milk.

16. How does a chameleon protect itself from enemies?

17. Why are bees grouped under social insects?

18. Give the importance of eating enough food to an individual.

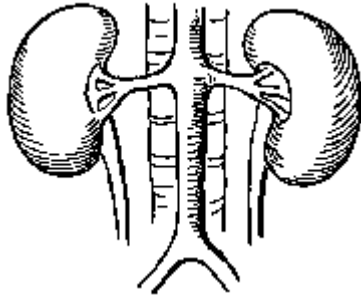
19. How do birds reproduce?

20. Why is carbon dioxide used in fire extinguishers?

21. How are petals of a flower adapted to attracting pollinators?

22. Write one way rotting is a useful process in our environment.

Below is a body organ. Use it to answer questions 23 and 24.



23. Name the organ shown in the diagram above.

24. What does the organ above remove from the body?

25. How does bush burning cause soil erosion?

26. What happens to the grass that has been covered by a stone for a week?

27. Write down one way animals depend on plants in the same environment.

28. Name the organ that enables a fish to breathe in water.

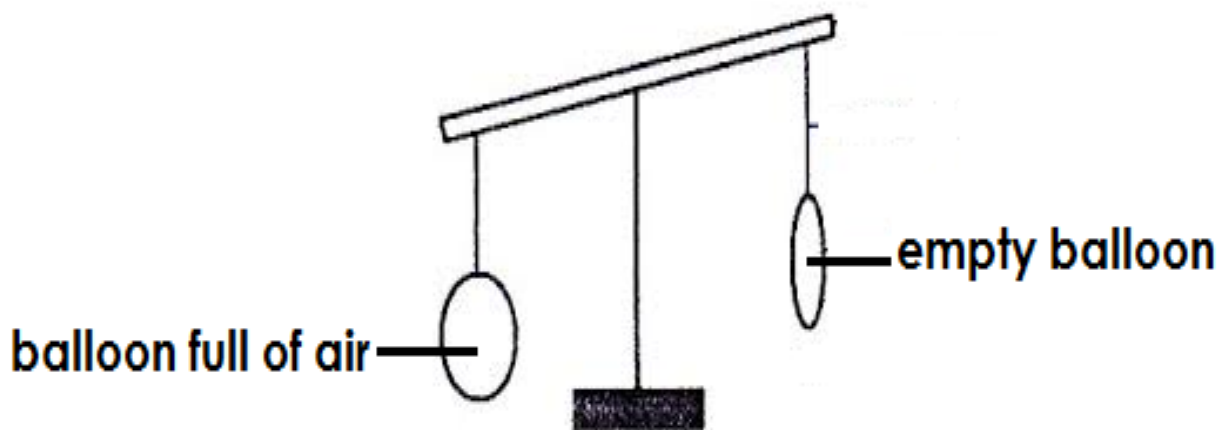
29. Write down one use of clouds in the environment.

30. Draw the a watering can in the space given below.

31. Give one method farmers use in weeding a garden.

32. How are buds important on a plant?

The diagram below is about air. Use it to answer question 33.



33. What does the above experiment prove about air?

34. Why is it important to keep records about a school garden?

35. Name the part of a bird used to keep its body warm.

36. Give one reason why people keep cats in their homes.

37. Write one immunizable disease in children.

38. Give one disadvantage of planting seeds by broadcasting.

39. State one way non-flowering plants reproduce.

40. State one activity carried out to promote personal hygiene.

Section B (60 marks)

41(a) Give one function of teeth to animals.

(b) In which part of a tooth are the nerves and blood vessels?

(c) State one practice that can lead to cavities.

(d) How can the problem of cavities in teeth be solved?

42(a) Give the term use to describe the general cleanliness of our bodies and the things we use.

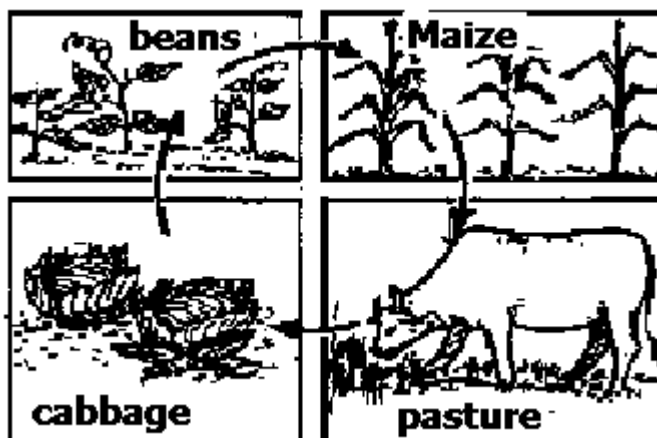
(b) Write down any two things needed when bathing.

(i)

(ii)

(c) Give one importance of bathing.

43. **The diagram shows one of the crop growing practices farmers carry out. Use it to answer the questions that follow.**



(a) Name the farming practice shown in the diagram above.

(b) State two ways the practice shown in the diagram benefits soil.

(i) _____

(ii) _____

(c) How does the planting of beans help the farmer to improve the soil fertility?

44(a) Write down one type of germs.

(b) Mention one way germs spread.

(c) State one effect of germs in our environment.

(d) Give one way of controlling the spread of germs.

45(a) Name the organs in a human body that perform the following functions:

(i) pumping blood around the body:

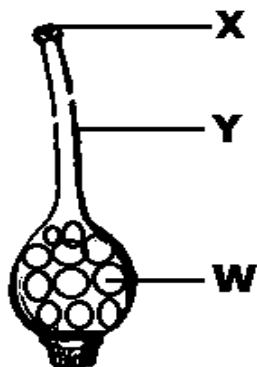
(ii) removes carbon dioxide from the body:

(b) How are the following organs important in our bodies?

(i) the brain:

(ii) the stomach:

46. **The diagram below shows part of a flower. Use it to answer the questions that follow.**



(a) Name the part of a flower shown in the diagram above.

(b) Name part marked Y.

(c) How is part marked X useful to a flower during pollination?

(d) What does part marked W develop into after fertilization?

47(a) Which class of food helps in body growth and repair of worn out tissue?

(b) How are vitamins important in our bodies?

(c) What disease is caused due to lack of enough iron in our diet?

(d) State the best way of treating kwashiorkor without using medical drugs.

48(a) Mention one type of family.

(b) Write down any two basic needs of a family.

(i)

(ii)

(c) How is the father of a child related to his / her mother in a family?

49. **Match the diseases in list A to the way they spread in list B**

A

B

Malaria

rat flea.

Sleeping sickness

housefly

Cholera

anopheles mosquito

Bubonic plague

tsetse fly.

(i) Malaria_____

(ii) Sleeping sickness_____

(iii) Cholera_____

(iv) Bubonic_____

50(a) What is germination?

(b) Give any two conditions for seed germination.

(i) _____

(ii) _____

(c) What role is played by the cotyledon of a maize grain during germination?

51(a) Name the process involved in the formation of clouds.

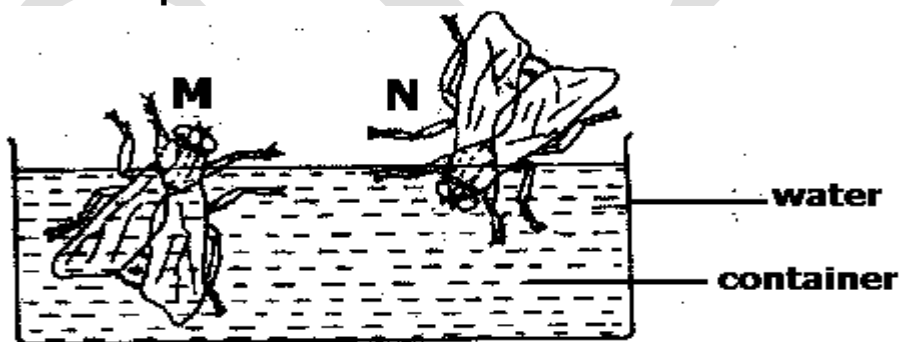
(b) Give the importance of the following instruments in weather monitoring:

(i) rain gauge

(ii) maximum and minimum thermometer

(c) Name the structure where delicate weather instruments are kept.

52. **The diagram below shows two insects placed in water as shown. Use it to answer the questions that follow.**



(a) Which insect died after sometime?

(b) Give a reason for your answer in (a) above.

(c) On which main body part are the legs of an insect attached?

(d) How is a proboscis important to a butterfly?

53(a) Give one example of leguminous crop.

(b) Write down one characteristic of cereal crops.

(c) How is it an advantage to plant crops in rows?

(d) Why do crop farmers prune their crops?

54. Given the following list: **goats, hen, stones and snake:**

(a) Point out the odd man out.

(b) Give a reason for your answer in (a) above.

(c) How is a goat similar to a hen in terms of habitat?

(d) State the way a snake moves from one place to another.

55(a) Write down two types of soil.

(i)

(ii)

(b) Name the part of soil that makes it fertile.

(c) Why is water able to pass through soil?

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