

CREATIVE EDUCATIONAL SERVICES
END OF TERM I EXAMINATIONS
2023
INTEGRATED SCIENCE AND HEALTH EDUCATION

PRIMARY FOUR

Time Allowed: 2 hours 15 minutes

Pupil's Name :

Stream :

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. Section **A** has 40 questions (40 marks)
Section **B** has 15 questions (60 marks)
3. Answer all questions. All questions to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a blue or black ball-point pen or fountain pen.
5. Unnecessary changes of work may lead to **loss** of marks.
All diagrams must be drawn in pencil.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:
"For Examiners' Use Only"

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' IN.
1 – 20		
21 – 30		
31 – 50		
51 – 53		
54 – 55		

SECTION A

1. Name any one example of a flowering plant.

2. Which part makes food for the plant?

3. Give any one example of an insect vector.

4. State any one way farmers care for their crops.

5. Give the element of weather that helps farmers to winnow their harvested crops.

6. Why do we boil water for drinking?

7. Name the best soil for growing crops.

8. Mention any one way of controlling soil erosion in the school compound.

9. State any one component of soil.

10. Which plant system grows in the soil?

11. How are gills useful to a fish?

12. What name is given to a young plant in the garden?

13. Name any one disease that breaks out due to poor sanitation.

14. Give the main natural source of water in the environment.

15. Why is a spider not regarded as an insect?

16. Apart from stones, give any one other example of a non living thing.

17. How is burning similar to germination?

18. State any one danger of wind.

19. Give any one importance of birds to people.

20. Why do we wash hands before eating food?

21. What does the experiment below show about air?



22. Give a reason why animals move from one place to another.

23. Mention any one domestic animal used for transport.

24. Which part for a cabbage plant do we eat?

25. In the space below, draw a simple leaf.



26. What is pollination?

27. Mention any one insect that visits flowers.

28. How can we control road accidents?

29. Which immunisable disease makes children lame?

30. State the importance of keeping dogs at home.

31. How is soil formed?

32. Give any one item we use to keep our bodies clean.

33. How are root hairs useful to a plant?

34. State the importance of the garden tool shown below.



35. Mention the process by which plants make their own food.

36. Why is a maize grain called a fruit?

37. Which clouds are a clear sign of rain?

38. Name the sense organ used for tasting.

39. Mention any one common accident at school.

40. State the importance of the item below.



SECTION B

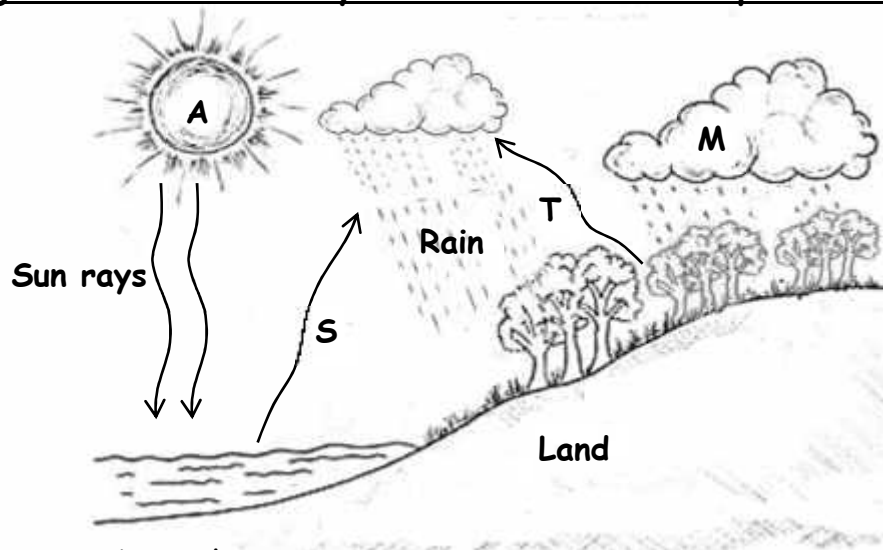
41.(a) What is mulching?

(b) Mention any two examples of mulches.

i. _____ ii. _____

(c) Give one reason why farmers mulch their gardens.

42. Study the diagram of the water cycle. Use it to answer questions that follow.



(a) Name the processes taking place at:

S _____ T _____

(b) State the type of clouds formed at M.

(c) What is the use of the sun in the water cycle?

43.(a) State any two components of air.

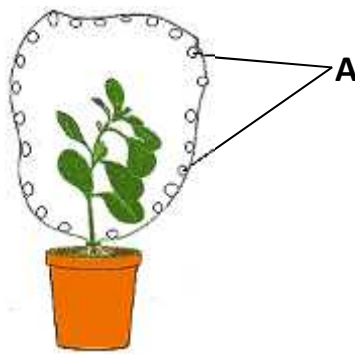
i. _____

ii. _____

(b) Name the component of air that is used in preserving food.

(c) Which gas occupies the biggest part of air?

44. Study the diagram below. Use it to answer questions that follow.



(a) Name the substance marked A.

(b) State the process that is shown in the above diagram.

(c) Mention any one factor that affects the above process.

(d) How is the above process important to plants?

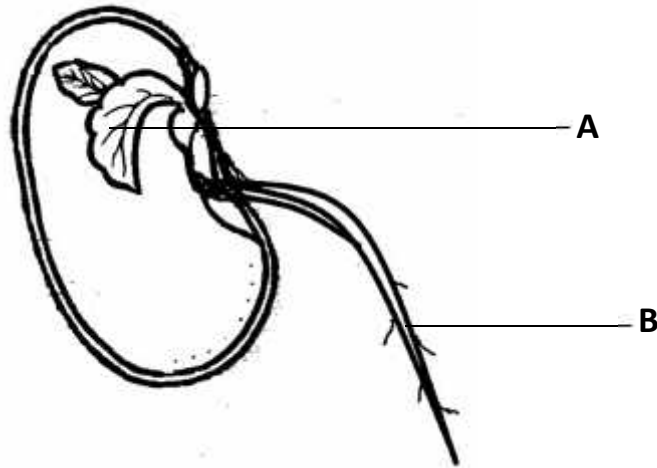
45. (a) What is first aid?

(b) Give any one component of a first aid kit.

(c) State one reason why first aid is administered to casualties.

(d) Give any one quality of a good first aider.

46. Study the diagram of a germinating bean seed below. Use it to answer questions that follow.



(a) Name the part labelled A.

(b) What does part B develop into after germination?

(c) Which food value do we get from eating beans?

(d) State the type of germination that a bean seed undergoes.

47. (a) Name any two food stuffs eaten by people at home.

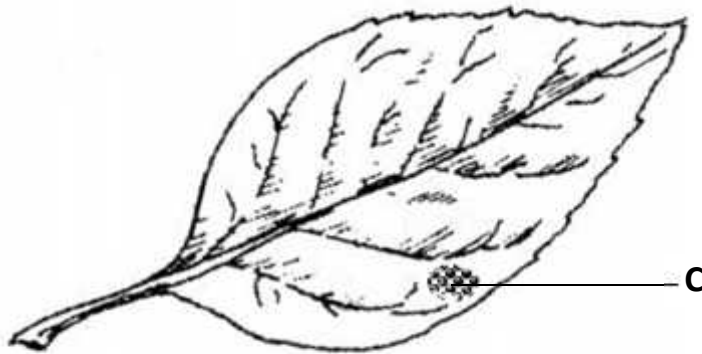
i. _____

ii. _____

(b) Which food value do we get from eating cassava and sweet potatoes?

(c) Give any one reason why people eat food.

48. Study the diagram of a leaf below. Use it to answer questions that follow.



(a) Name the type of leaf venation shown in the diagram.

(b) What is the importance of structures marked C to a plant?

(c) State any one use of leaves to plants.

(d) Mention any one crop with such a type of venation.

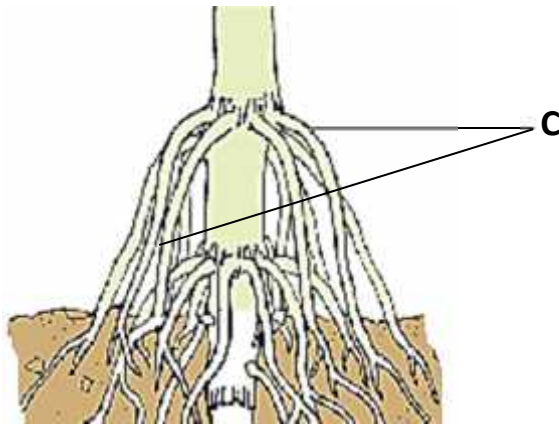
49. (a) What is energy?

(b) Name the main natural source of energy in the environment.

(c) Give any one way of saving energy at school.

(d) Why do we save energy?

50. Below is a diagram of maize stem. Use it to answer questions that follow.



(a) Name the roots marked C.

(b) How are roots marked C important to a plant?

(c) Mention any one crop with such roots.

(d) State any one use of roots to man.

51. (a) Mention two activities done to promote personal hygiene.

i. _____

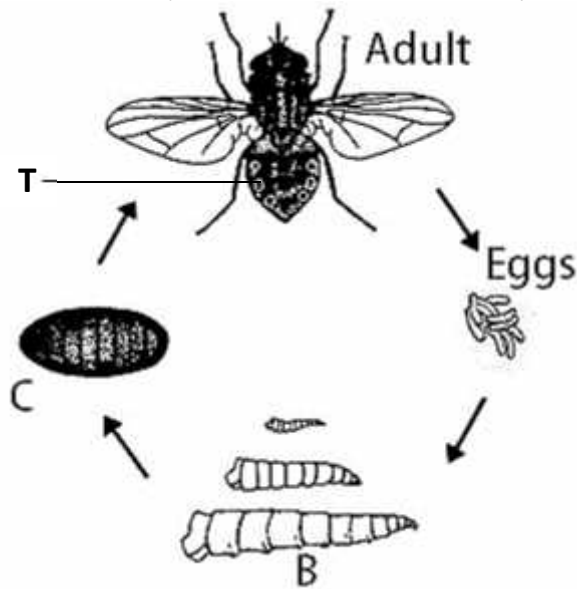
ii. _____

(b) State any two importance of keeping our bodies clean.

i. _____

ii. _____

52. Below is a life cycle of a housefly. Use it to answer questions that follow.



(a) Name the stage marked B.

(b) State the importance of structures marked T to an insect.

(c) Give any one disease spread by the above insect.

(d) How is the above insect able to spread germs?

53. (a) Apart from weeding, state any other two crop growing practices.

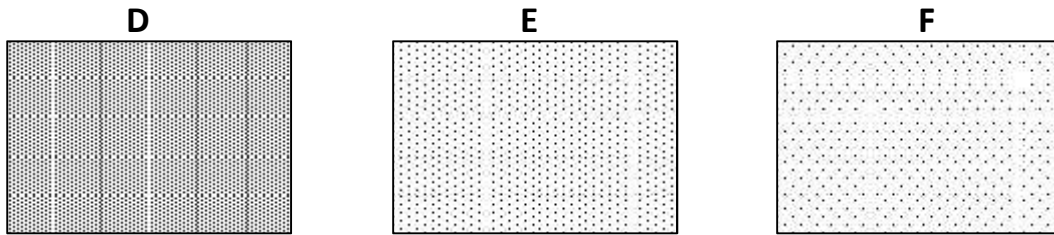
i. _____

ii. _____

(b) How is pruning an important practice in crop growing?

(c) Name the garden tool that is used for carrying manure.

54. Study the soil structures below. Use it to answer questions that follow.



(a) Name the soil sample marked D.

(b) What is the importance of soil sample F?

(c) Give any one cause of soil erosion.

(d) How is clay soil useful to people?

55. Match the items in list A with those in list B.

List A

Housefly

Female anopheles mosquito

Rabid dogs

Cockroach

List B

typhoid

malaria

rabies

diarrhoea

(a) Housefly

(b) Female anopheles mosquito

(c) Rabid dogs

(d) Cockroach

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