

CREATIVE PRINTERS
END OF YEAR EXAMINATION 2023

P.4 INTEGRATED SCIENCE

Time Allowed: 2hours 15 Minutes

Pupil's Name:

Class:

School Name:

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (50 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated

“For examiners’ use only” and the boxes inside the question paper.

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Turn Over

FOR EXAMINERS’ USE ONLY		
Qn. No.	MARKS	EXR’S No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A (40 MARKS)

1. Mention one activity you must do before eating a fruit.

2. Write one accident that can happen in a classroom.

3. Identify one body organ found in the head.

4. State the main class of food got from beans.

5. Why is loam soil good for growing crops?

6. Name the main source of water in the environment.

7. Give one difference between living things and non-living things.

8. What is the use of a clinical thermometer to a school nurse?

9. Why should windows and doors be kept open during daytime?

10. Suggest one way of caring for domestic animals.

11. Give one reason why a spider is not an insect.

12. Identify any one perennial crop.

13. Give the defensive weapon of a bee.

14. State the reason why some trees are seen without leaves during a dry season.

15. State one problem people face in village food path.

16. Give the importance of animal waste to a farmer.

17. Why do people always wear gumboots when going to the garden?

18. All pupils and pregnant mothers are advised to sleep under treated mosquito nets. Give the reason why?

19. What is the best type of soil for making a flower vase?

20. Name the form of energy got from the sun.

21. Write one method of planting crops.

22. State one reason for giving first aid.

23. Identify the type of leaf venation shown below.

24. Identify the type of leaf venation shown below.



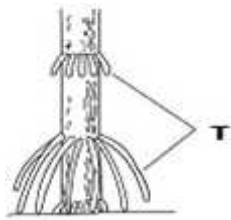
25. Give one importance of mulching the garden.

26. Identify one body organ protected by the rib cage.

27. Why does a passion fruit plant climb others?

28. Suggest one way by which you would prevent yourself from mosquito bites.

29. Identify the type of root system shown below.



30. Mention one activity commonly done during the wet season.

31. Name the body organ responsible for receiving and interacting messages.

32. Write down any one set of teeth.

33. Identify the type of teeth drawn below.



34. How are houseflies dangerous to man?

35. Name the vector for trachoma.

36. Write down one cause of dehydration.

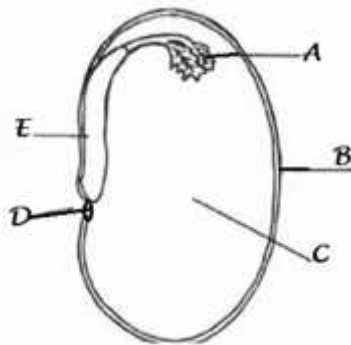
37. Give any one disorder of teeth.

38. State the importance of chlorophyll during photosynthesis.

39. Suggest one way of caring for garden tools.

40. How many teeth does an adult person have?

41. The diagram below shows a bean seed. Use it to answer the given questions.



a) Name parts marked C and B.

C _____ D _____

b) Which letter shows the radical?

c) How is a bean seed different from a maize seed?

42.a) Identify the class of food needed for:

i) Body growth - _____

ii) Keeping the body warm. _____

b) State the health problem that result from:

i)lack of iron in the body. _____

ii)lack of proteins in the body. _____

43.a) What do we call the general cleanliness of an area to promote public health.

b)Mention two ways of keeping the school environment clean.

i) _____ ii) _____

c) Give the importance of staying in a clean environment.

44.a) Write down any two examples of crops that can be first planted in a nursery bed.

i) _____ ii) _____

b)Suggest two ways of caring for crops in a garden.

i) _____

ii) _____

45. Name the components of air used during:

a)Germination. _____

b)Photosynthesis. _____

c) Rusting. _____

d)Preserving drinks. _____

46.a) What name is given to living organisms that destroy farmers crops in the garden?

b)Give one way how farmers can control such organisms.

c) Suggest one way of preserving harvested beans.

47.a) Write down any two examples of vectors.

i) _____ ii) _____

b) Suggest any two diseases spread by vectors.

i) _____ ii) _____

48.a) Where does fertilization take place in flowers?

b) Mention any two agents of pollination.

i) _____ ii) _____

c) Identify the insect which pollinates flowers at night.

49. Match the human body organs to their functions.

Body organ

Function

Skin

used for breathing

Brain

for body balance

Lungs

removing urine from blood.

Ears

controls body activities

Skin _____

Brain _____

Lungs _____

Ears _____

50.a) Identify any two examples of domestic animals.

i) _____ ii) _____

b) Outline any two products got from domestic animals.

i) _____ ii) _____

51.a) Write two examples of flowering plants.

i) _____ ii) _____

b) How do most flowering plants reproduce?

c) Give an example of a plant which is propagated by suckers.

52.a) What is personal hygiene?

b) Give two users of water in maintaining personal hygiene.

i) _____

ii) _____

c) Suggest one danger of too much rainfall to a farmer.

53. Below is a list of factors that damage the environment. Use them to answer the given questions.

Heavy rainfall, Building industries, Strong wind, Thunder, Mining,
Grazing.

a) From the list above, choose two factors that are natural.

i) _____ ii) _____

b) Give any two factors from the list that are man-oriented.

i) _____ ii) _____

54.a) Give any two signs of crops affected by diseases or pests.

i) _____ ii) _____

b) Suggest any one way of preventing maize crops in a garden from being eaten by cows and goats.

c) Mention any example of a disease that affects bean plants in the garden.

55.a) Write the 3DS in full.

i) _____ ii) _____ iii) _____

b) Why should we give a dehydrated person Oral Rehydration Solution?

c) Mention any one function of each part below to a flowering plant.

- i) Roots _____
- ii) Leaves _____
- iii) Flowers _____
- iv) Stem _____

END