

SMART STAR EXAMINATIONS BOARD

BEGINNING OF TERM III EXAMINATION - 2024

PRIMARY FOUR INTEGRATED SCIENCE

Time allowed : 2 hours 15 minutes

Pupil's Name

Signature.....

Read the following instructions carefully;

1. This paper has **two** sections: **A** and **B**.
Section **A** has **40** questions and
section **B** has **15** questions.
2. **All** the working for both sections **A** and
B must be shown in the spaces
provided.
3. All working must be done using a **blue**
or **black** ball-point pen or fountain
pen. Any work done in pencil other
than graphs, pictures and diagrams
will **not** be marked.
4. Unnecessary **changes** of work and any
handwriting that cannot easily be read
may lead to **loss of marks**.
5. Do **not** fill anything in the boxes
indicated: **"For Examiners' Use Only"**
and boxes inside the question paper.

FOR EXAMINERS' USE ONLY

QN. NO.	MARK	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A

1. Name the first set of teeth in children.

2. Mention one factor that affects the rate of transpiration.

3. Why are rat guards put on a granary?

4. Mention any one internal body organ.

5. Why is a Stevenson Screen painted white?

6. Name the hardest part of a tooth.

7. Identify the type of leaf venation shown below.



8. Give one danger of pests to a crop farmer.

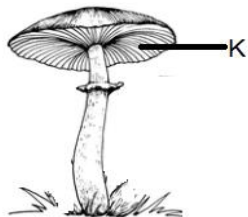
9. Apart from smoking, mention one way of preserving fish.

10. Identify the soil layer that has a lot of humus.

11. State any one cause of soil exhaustion.

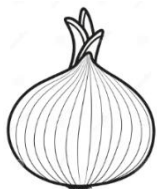
12. Mention one domestic animal.

Study the diagram below and answer question 13-14.



13. How useful is part K above to a mushroom.
-
14. To which group of living things does a mushroom belong?
-
15. Why are bean plants regarded as dicotyledonous plants?
-
16. Identify one process that is involved in the water cycle.
-
17. What are stem tubers?
-
18. Mention one disease of the lungs.
-
19. Give one reason why some plants climb other plants.
-

Study the diagram below and answer question that follow.



20. Name the plant above.

21. Use an arrow to show the part where the plant above stores its food.
22. How do coniferous plants reproduce?
-
23. Suggest one way of controlling weeds in a garden.
-
24. Identify the bony structure that protects the brain.
-
25. How can Kate help her child who is suffering from Kwashiorkor?
-
26. How is a clinical thermometer important to a school nurse?
-
27. Mention one way of killing germs on clothes other than washing.
-
28. Name one living organism that lives in the soil.
-
29. Give one danger of moving air in our environment.
-
30. Mention one type of weather managed by this item.



31. State one danger of poor personal hygiene to a P.4 pupil.
-
32. Which vector spreads yellow fever?
-
33. Identify the type of soil that allows water to pass through it

easily.

34. Mention one agent of soil erosion.

35. Give one way of controlling malaria in our homes.

36. Give one quality of a good first aider.

37. In the space below, draw a garden tool used for harvesting cereals.



38. Give one reason why people keep birds at home.

39. Mention one example of a vegetable root crop.

40. What does letter “A” stand for in PIASCY?

SECTION B

41a) Mention one insect involved in the 4Fs.

b) Mention two diseases spread through the 4Fs.

i) _____

- ii) _____
- c) How does washing of hands aid in control of diseases spread by 4Fs
- _____

42a) What is food?

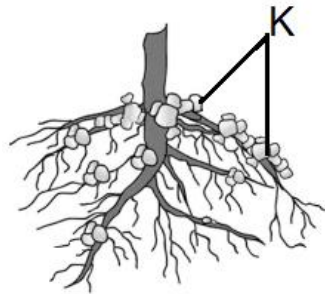
b) Mention two sources of food.

i) _____

ii) _____

c) Suggest one way how people in your village prepare food.

43. Study the diagram below and use it to answer the questions that follow.



a) Identify the group of plants with such roots.

b) Mention two examples of crops with such roots.

i) _____

ii) _____

c) Name the living organism found in part K.

44a) Mention one crop raised in a nursery bed.

i) _____

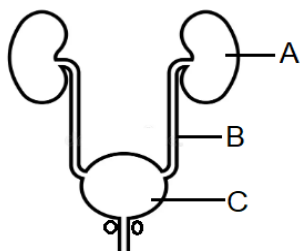
b) How is a nursery bed important to a farmer?

c) Give two ways of caring for seedlings in a nursery bed.

i) _____

ii) _____

45. Study the diagram below and answer the following questions.



a) Identify the body system shown above.

b) Name the parts marked;

A _____

B _____

c) Give the function of part C.

46a) What is photosynthesis?

b) State any two raw materials for photosynthesis.

i) _____

ii) _____

c) Apart from leaves, where in plants does photosynthesis take place.

47a) What are deficiency diseases?

b) Mention any two vitamin deficiency diseases.

- i)

- ii)

c) State the best way of preventing deficiency diseases.

48a) What is crop rotation?

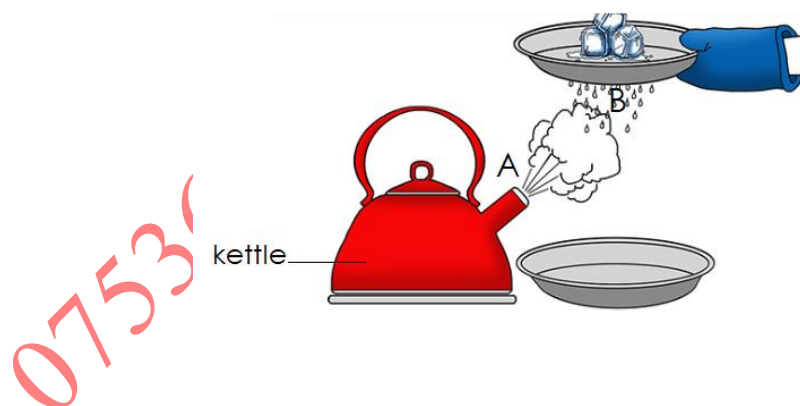
b) Give two advantages of crop rotation.

- i)

- ii)

c) In which season do farmers harvest cereals?

49. The diagram below shows an experiment that was done by a P.4 class. Study it and use it to answer questions that follow.



a) What was the diagram experiment about?

b) Name processes marked;

A _____

B _____

c) What does the kettle represent in the above experiment?

50a) Match correctly

A

B

Incisors

for tearing food

Canines

for grinding food

Molars

for cutting food

Incisors

Canines

Molars

b) Mention the mineral salt needed for formation of strong teeth.

51a) What are living things?

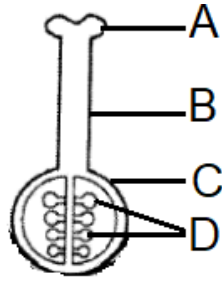
b) Give two major groups of living things?

i) _____

ii) _____

c) Mention one characteristic of living things.

Study diagram below and answer question that follow.



a) Name the parts marked A and B

A _____

B _____

b) What does C and D develop into after fertilisation?

C _____

D _____

53a) What is personal hygiene?

b) Mention two activities done to promote personal hygiene.

i) _____

ii) _____

c) State one disease due to poor personal hygiene.

54a) What is air?

b) Which component of air is used for;

photosynthesis? _____

germination _____

c) Mention any one disease spread by breathing in contaminated air.

55a) Give one cause of road accidents.

b) State one effect of accidents.

c) Suggest any two reasons why casualties are given first aid.

i) _____

ii) _____

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