



SMART STAR EXAMINATIONS BOARD
BEGINNING OF TERM 1 EXAMINATION – 2024
PRIMARY SEVEN
INTEGRATED SCIENCE

Time allowed : 2 hours 15 minutes

Pupil`s Name

School Name.....

District Name.....

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 (40 marks)

Questions **1** to **40** carry one mark each

1. Name **one** accident caused by heat.

.....

2. How do tapeworms enter our bodies?

.....

3. State any **one** advantage of bee keeping to a crop farmer.

.....

4. How can a P.7 child make water safe for drinking at home?

.....

5. Name the component of air used in respiration.

.....

6. Give any **one** importance of food in the body.

.....

7. Give any **one** reason why a first aider should wear the items below when giving first aid.



.....

8. State **one** advantage of scavenger mammals in the environment.

.....

9. How is tobacco smoking dangerous to a pregnant woman?

.....

10. Name **one** food stuff rich in animal proteins.

.....

11. Where in the female reproductive system does conception occur?

.....

12. Name the non-diarrhoeal disease spread by a housefly.

.....

13. State any **one** role of parents in promoting immunization in a family.

.....

14. How can a farmer who rears local breeds of cattle improve on their quality?

.....

15. Name the sense organ that helps us to know that there is enough salt in food.

.....

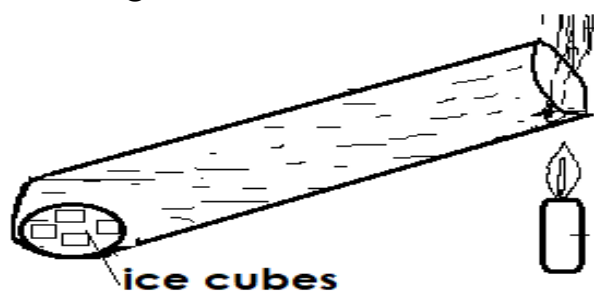
16. How can you care for rabbits?

.....

17. Why are drugs kept out of reach of children?

.....

Study the diagram below and answer questions about it

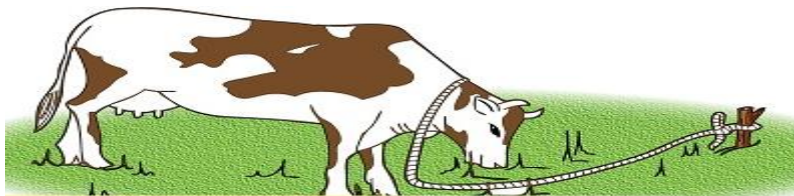


18. What does the above diagram prove about water?

.....

19. Name the types of soil with moderate capillarity.
.....
20. In which **one** way are biological changes similar to chemical changes?
.....
21. How can you increase the volume of blood in your body?
.....
22. State **one** danger of poor disposal of human faeces.
.....
23. Why isn't it necessary to smoke the pit of a VIP latrine?
.....
24. How are prop roots in a maize plant similar to buttress roots in trees?
.....
25. Mention any **one** breed of sheep kept for wool.
.....
26. Write any **one** method used to make alcohol.
.....
27. State any **one** way man can prevent the effect of strong wind.
.....
28. Write any **one** thing that happens to food in the mouth.
.....
29. State any **one** danger of using firewood for cooking.
.....

30. Which component of blood helps in transporting digested food in the body?
.....
31. State **one** way people care for their skin.
.....
32. Mention any **one** plant process that takes place in leaves.
.....
33. Why should a doctor clean the injection site with spirit before injection?
.....
34. Give a reason why human beings are grouped under mammals.
.....
35. How can you measure the volume of a pawpaw fruit?
.....
36. State any **one** danger of bacteria to people.
.....
37. Name the region of the tooth that is sensitive to heat and cold.
.....
38. Name the method of grazing cattle shown in the diagram below.



39. State the main cause of soil leaching.
.....

40. How is a compact disc useful to a musician?

.....

SECTION B: (60 MARKS)

Questions 41 to 55 carry four marks each

41 (a). Name **two** solutes used when making **ORS**?

(i).....

(ii).....

(b) Why should one stir the mixture when making **ORS**?

.....

(c) Name the solvent that dissolves the solutes named in (a) above.

.....

42. (a). Identify any **one** class of food that provides energy to the body.

.....

(b) State **two** ways of promoting food hygiene.

(i)

(ii)

(c) Mention any **one** vector that commonly contaminates food.

.....

43.(a) State any **one** use of alcohol to people.

.....

(b) Mention any **two** reasons why people drink alcohol.

(i)

(ii)

(c) Cite out **one** life skill needed by a child to avoid alcoholism.

.....

44(a) Give the meaning of soil exhaustion.

.....

(b) State any **one** cause of soil exhaustion.

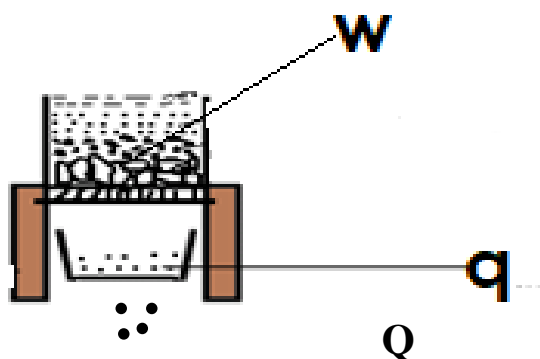
.....

(c) Mention any **two** ways a crop farmer can improve on soil fertility.

(i)

(i).....

45. The diagram below shows a method of obtaining clean water from dirty water. Use it to answer the questions that follow.



a) Name the method of obtaining clean water shown above.

.....

b) What scientific name is given to the water obtained at **Q**?

.....

c) Why is the water collected at **Q** not safe for drinking?

.....

d) State any **one** way the water collected at **Q** can be made safe for drinking.

.....

46. (a). What is **PHC**?

.....

.....

(b) Write any **one** principle of **PHC**.

.....

(b) Name the element of **PHC** promoted through;

- (i) feeding on a balanced diet.....
- (ii) giving **BCG** vaccine to children

47. (a) How is a black jack adopted to animal dispersal?

.....

(b) State any **two** advantages of seed dispersal in the environment.

- (i)
- (ii)

(c) In which way can seed dispersal be dangerous in the environment?

.....

48. (a) Name any **two** examples of root tubers.

- (i)
- (ii).....

(b) Give any **two** ways of harvesting root tuber crops.

- (i).....
- (ii).....

49.(a)Name the group of cold blood vertebrates that undergoes internal fertilization.

.....

(b) Mention any **two** examples of vertebrates in the group named in (a) above.

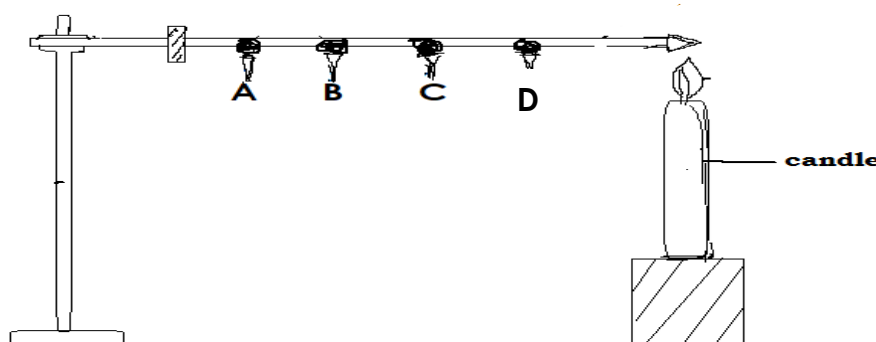
(i)

(ii)

(c) Give a reason why the animals you have named above are said to be cold blooded.

.....

50. The diagram below shows an experiment carried out about heat transfer. Use it to answer the questions that follow.



a) What wax tube will meet;

i) first.....

ii) last.....

(b) How does heat of the candle reach the wax **A**?

.....

(c) State **one** use of heat transfer by conduction in our daily life.

.....

Turn Over

51. Matching correctly.

Diseases

deficiency diseases

Kwashiorkor

lack of vitamin C

Marasmus

lack of vitamin D

Scurvy

lack of proteins

Rickets

lack of carbohydrates

- (i) Kwashiorkor
- (ii) Marasmus
- (iii) Scurvy
- (iv) Rickets

52. (a) Give the meaning of the term echo.

.....

(b) State **two** ways echoes can be minimized in video halls.

(i)

(ii).....

(c) Name the part of the ear that does not contribute to the hearing process.

.....

53.(a) State any **one** way people can prevent very dirty clothes from staining others.

.....

(b) Why should clothes be soaked before washing them?

.....

(c) How can a primary six pupil kill germs in his or her school uniform?

.....

(d) Mention **one** danger of wearing dirty clothes.

.....

54.(a) Name the vaccine given to babies at the age of 9 months.

.....

(b) State **one** importance of a child health card to a mother.

.....

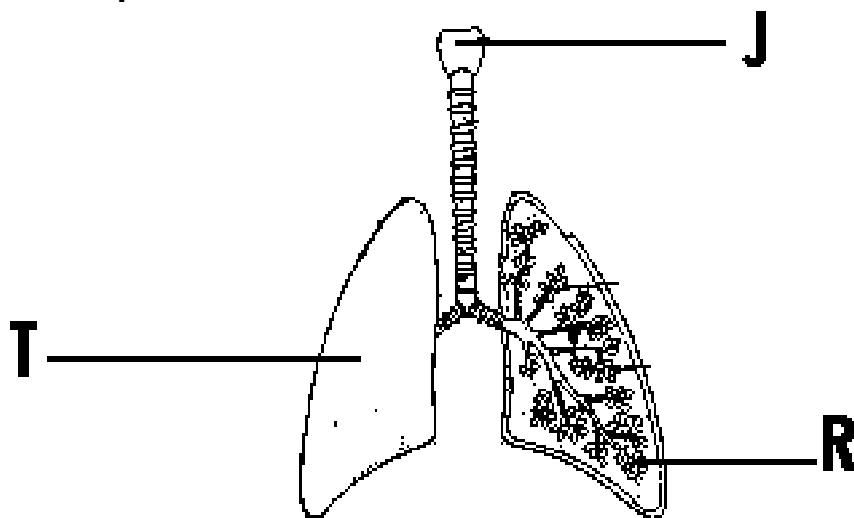
(c) How is immunization important to infants?

.....

(d) Write any **one** method of administering vaccines to infants.

.....

55. The diagram below shows one of the systems in the human body. Use it to answer questions that follow.



(a) Which body system does the organs drawn above belong?

.....

(b) Name part marked **T**.

.....

(c) How is part marked **R** useful in the system?

.....

(d) State any **one** way part marked **R** is adapted to its function.

.....

END