



SMART STAR EXAMINATIONS BOARD
BEGINNING OF TERM 1 EXAMINATION – 2024
PRIMARY SIX
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. Mention any **one** object that sinks in water.

.....

2. Give **one** use of food in the body.

.....

3. Write **one** importance of ears to people.

.....

4. Give any **one** use of litter in a poultry house.

.....

5. Mention any **one** crop that can be grouped under perennial crops.

.....

6. Where in the human body does digestion begin?

.....

7. How do birds reproduce?

.....

8. Give any **one** way of promoting food hygiene.

.....

9. State any **one** way through which soil is formed.

.....

10. Name any **one** craft material made using palm leaves.

.....

11. Why is it important to have all children immunized?

.....

12. Name any **one** communicable disease that is controlled by draining away stagnant water near homes.

.....

13. Give **one** way of controlling rusting in metals.

.....

14. Identify the type of clouds which is a source of water for farmers' crops.

.....

15. State any **one** way of preserving food locally.

.....

16. State **one** reason why a casualty should be given first aid.

.....

17. Write **one** example of a tuber crop pest.

.....

18. Give the importance of the type of teeth below.

.....

Use diagram below to answer the questions 18 and 19.



19. How can we protect the above type of tooth from tooth decay?

.....

20. Why do pigs usually roll themselves in mud on hot days?

.....

21. State **one** way of improving soil fertility.

.....

22. Why do farmers rear bees?

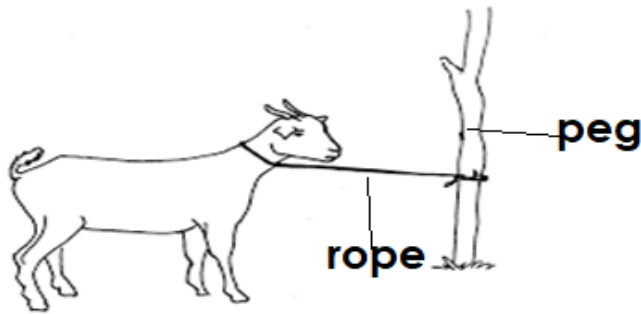
.....

23. How does a dog protect itself?

.....

Turn Over

Use the diagram below to answer the questions that follow.



24. Name the method of goat grazing shown above.

.....

25. Give any **one** danger of poor personal hygiene.

.....

26. State any **one** difference between mass and weight.

.....

.....

27. Which method can you use to find the volume of an irregular object like a mango?

.....

28. Why should we eat food rich in carbohydrates?

.....

29. Write the disease prevented through PIASCY messages.

.....

30. Mention any **one** exotic breed of sheep mainly kept for wool production.

.....

31. How is a hoe useful to crop farmers?

.....

32. Identify the part on the worker bee used for defence.

.....

33. Name the best food for a newly born baby.

.....

34. How can farmers care for their rabbits in a hutch?

.....

Use the diagram below to answer the questions that follow.



35. Identify the state of matter marked **P**.

.....

36. Give **one** use of flowers to people.

.....

37. Identify any **one** example of a chemical change.

.....

38. How does sunny weather help farmers to preserve their crops?

.....

39. Which component of air is used in respiration?

.....

40. How do farmers make mating easy in female sheep?

.....

SECTION B: (60 MARKS)

Questions 41 to 55 carry four marks each

41(a) Write any **one** property of matter.

.....

(b) Identify the state of matter with closely packed molecules.

.....

(c) Name the substance that can exists in all the three state of matter.

.....

Turn Over

(d) Write any **one** effect of heat on matter.

.....

42.(a) Which term is used to mean the small piece of land where seedlings are first raised before transplanting?

.....

(b) State any **one** way farmers can care for seedlings.

.....

(c) Identify the garden tool used for transplanting.

.....

(d) Mention any **one** plant that can be planted in a nursery bed.

.....

43. Use the diagram below to answer the questions that follow.



(a) Name the poultry practice illustrated above.

.....

(b) Mention any **one** poultry vice controlled using the above practice.

.....

(c) Give any **one** cause of vices in poultry.

.....

(d) State any **one** importance of poultry to people.

.....

44.(a) What are weeds?

.....

.....

(b) Give any **one** example of weeds.

.....

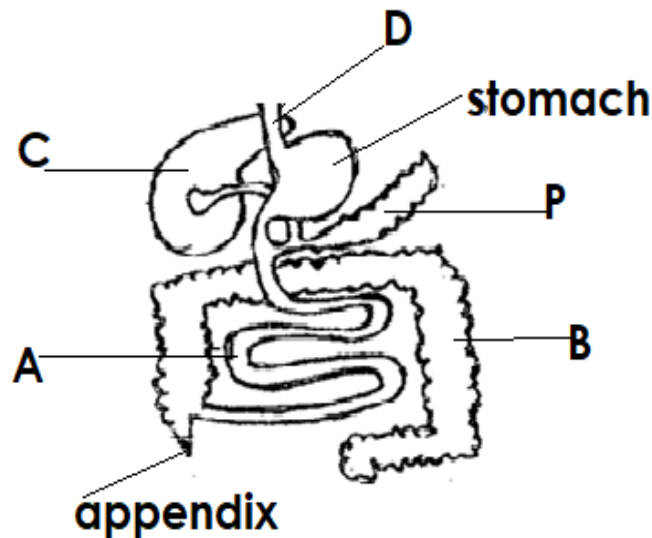
(c) How are weeds important to a farmer?

.....

(d) Write down any **one** method of controlling weeds in the garden.

.....

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



(a) Name the parts marked **B** and **C**.

B..... **C**.....

(b) Identify any **one** enzyme found in the stomach.

.....

Turn Over

(c) State **one** disorder of the digestive system above.

.....

(d) How can we care for the above body system?

.....

46 (a) Under which group of living things does a mushroom belong?

.....

(b) How are mushrooms different from bacteria in the way they reproduce?

.....

.....

(c) Identify any **one** fungal disease that affects people.

.....

(d) Name the fungus that is used to increase the rate of fermentation during brewing of alcohol.

.....

47(a) Identify the vector that spreads malaria to people.

.....

(b) How does clearing of bushes near homes control the vector in (a) above?

.....

(c) State any **one** way vectors spread germs to people.

.....

(d) Apart from the vector you have named in (a) above, name any **one** other vector.

.....

48. Study the table below carefully and fill in the blank space correctly.

Food value	Deficiency disease	Deficiency disease sign
.....	Kwashiorkor	Pot belly, moon face
Carbohydrates	Old man's face
Vitamin C	Bleeding gums
Iodine	goitre

49.(a) Mention any **one** exotic breed of rabbits.

.....

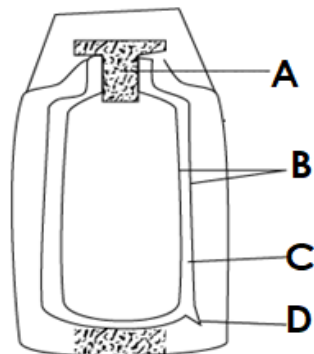
(b) Name any **two** examples of diseases that affect rabbits.

(i)(ii).....

(c) State any **one** way of controlling diseases in rabbits.

.....

50. Use the illustration to answer the questions that follow.



Turn Over

(a) Name the parts marked **A** and **D**.

(i) **A**

(ii) **D**

(b) State the method by which part **A** prevents heat loss or heat gain.

.....

(c) In which way is the above equipment useful at home?

.....

51. (a) Mention **one** example of root crop.

.....

(b) In which way is cassava similar to sweet potatoes?

.....

(c) How can a farmer control pests in a cassava garden?

.....

(d) State any **one** way of caring for root tuber crops.

.....

52.(a) Which type of immunity do adults get after recovering from an illness?

.....

(b) State the role of doctors and nurses during immunization exercise.

.....

(c) Name any **one** vaccine given to babies.

.....

(d) How is polio vaccine given to babies?

.....

53.(a) Which body condition is solved by giving the victim **ORS**?

.....

(b) State any **one** cause of the above body condition in humans.

.....

(c) Write any **one** mineral salt lost due to severe diarrhoea.

.....

(d) Which component of **ORS** gives the body energy?

.....

54.(a) Write **PHC** in full.

.....

(b) Name the element of **PHC** which;

i) prevents deficiency disease.

.....

ii) prevents childhood killer diseases.

.....

(c) Write down any **one** principle of **PHC**.

.....

Turn Over

55. Match the farm practices with their meanings.

A

Docking

Castration

Dehorning

Hoof trimming

B

removal of horn buds

cutting short of the over grown hooves

cutting the sheep's tail short

removal of testes from male animal

(i) Docking

.....

(ii) Castration

.....

(iii) Dehorning

.....

(iv) Hoof trimming

.....

END