

BISHOP DDUNGU BOARDING PRIMARY SCHOOL & UGANDA MARTYRS KATWE DAY & BOARDING PRI. SCHOOL PRIMARY SEVEN JOINT EXAMINATIONS, 2023

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

Index No.	EMIS NO.	PERSONAL NO.
	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>

SCHOOL NAME: _____

CANDIDATE'S NAME: _____

Read the following instructions carefully.

1. This paper has two sections **A** and **B**.
2. Section **A** has **40** short questions.(40 marks)
3. Section **B** has **15** questions. (60 marks)
4. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in spaces provided.
5. All answers must be clearly written using blue or black ball point pen or ink. Only diagrams should be drawn in pencil.
6. Unnecessary changes of work may lead to loss of marks.
7. Do not fill in the boxes. They are for examiner's use only.

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

Turn Over

SECTION A (40MARKS)

1. Mention one type of thermometer.

2. Give one example of a solid fossil fuel.

3. What happens to ice when it gains heat?

4. Write one role of fruits in seed dispersal.

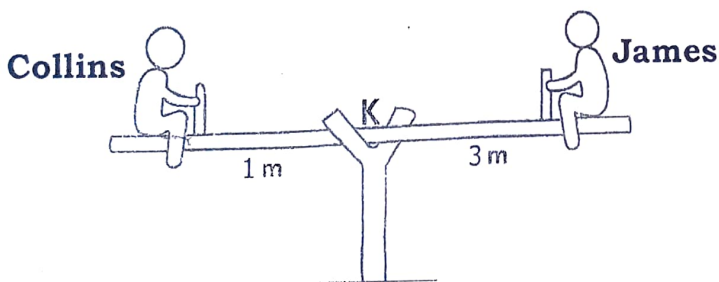
5. Which kind of food does a mushroom feed on?

6. Give one way of caring for sheep.

7. Mention the state of matter which has definite shape and volume.

8. How is sound important in giving first aid?

The diagram below shows a balancing seesaw. Use it to answer questions 9 and 10 .



9. Who of the two boys is heavier?

10. Give a reason to support your answer in (9) above.

11. State one importance of static electricity to people.

12. Mention the agent of gully erosion.

13. State one way in which sex deviations can be prevented at school.

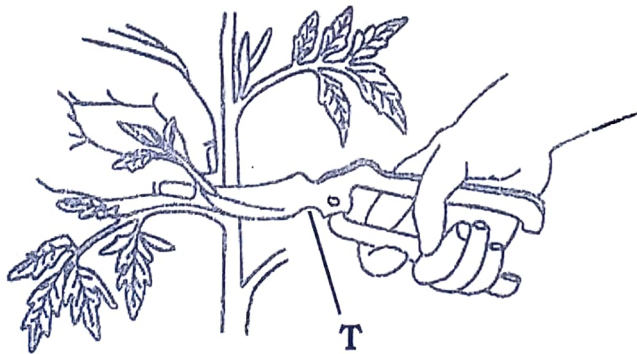
14. Give one structural similarity between egg laying mammals and birds.

15. Mention one component of the environment.

16. Which form of mechanical digestion takes place in the stomach?

17. What advice can you give to a mother in order to have enough breast milk?

The diagram below shows a crop growing practice. Use it to answer questions 18 and 19 .

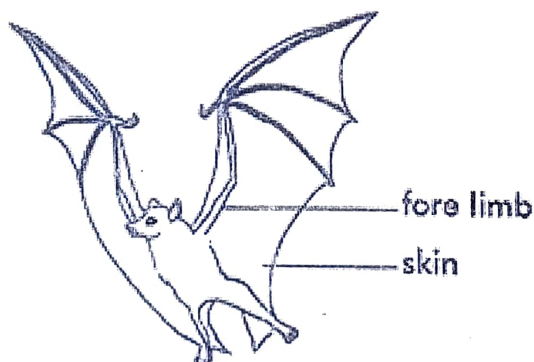


18. Name the garden tool marked with letter **T**.

19. State one importance of carrying out the practice shown in the diagram.

20. Which organ of a snake has the same function as the human ear?
-
21. Write the term that refers to materials in the environment used by people to satisfy their needs.
-
22. Give one way in which magnetism is useful in the modern world.
-
23. State one way in which people manage sunny weather.
-
24. Apart from carbohydrates, mention another class of food that is a source of energy.
-
25. Give one importance of wedges other than cutting.
-
26. Which blood vessels supply the heart muscles with oxygenated blood?
-

Use the diagram of a vertebrate below to answer questions 27 and 28 .



27. Identify the vertebrate shown in the diagram.
-

28. Give any one danger of the animal shown in the diagram.

29. How can drowning be prevented at home?

30. Mention one importance of sugar in the human body.

31. State what happens to petals after fertilization in a flower.

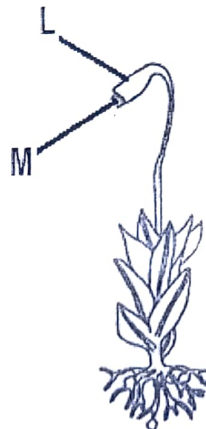
32. Which type of latrine cannot be constructed in a residential house?

33. Why do some people rear rabbits?

34. Give one way of removing impurities from water.

35. Why can't dry grass make a good smoker for harvesting honey?

The diagram below shows a non flowering plant. Use it to answer questions 36 and 37.



36. Name part marked **L**.

37. State the importance of part marked **M** to a plant.

38. Mention one way of controlling food poisoning at home.

39. Give one factor that can lead to milk hold up in a cow.

40. How do soft boards placed in cinema halls help to reduce echoes?

SECTION B (60 MARKS)

41. (a) Mention two examples of natural manure .

(i) _____

(ii) _____

(b) Give two advantages of using natural manure over artificial manure.

(i) _____

(ii) _____

42. **The illustration below shows a food chain. Use it to answer questions that follow.**

Grass → grasshoppers → chickens → Man → bacteria

(a) State the importance of grass in the food chain above.

(b) What term is used to refer to man in the feeding relationship above?

(c) State what is likely to happen to the number of grasshoppers if the chickens multiply and increase in number.

(d) Give a reason to support your answer in (c) above.

43. (a) What is the main cause of fainting ?

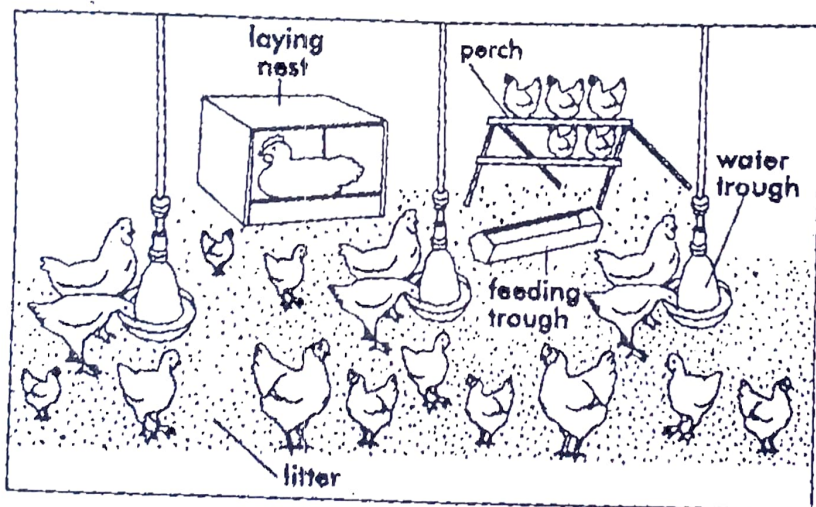
(b) Give any two ways of helping a person who has fainted.

(i) _____

(ii) _____

(c) How can fainting be avoided?

44. The diagram below shows the inside of a poultry house. Use it to answer questions that follow.



(a) Identify the system of rearing poultry shown above.

(b) Why should water troughs be fixed in as shown in the diagram?

(c) Give two advantages of the system shown above.

(i) _____

(ii) _____

45. (a) Mention one condition that favours multiplication of bacteria.

(b) Give two dangers of bacteria to people.

(i) _____

(ii) _____

(c) How can the dangers of bacteria be controlled at school?

46. (a) Give two kinds of information collected under demography .

(i) _____

(ii) _____

(b) State two importance of collecting information about the health of people in a community .

(i) _____

(ii) _____

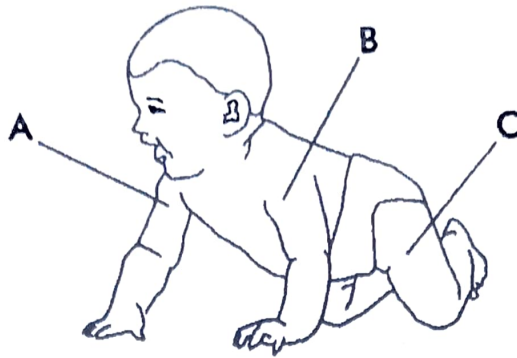
47. (a) Apart from mosquitoes, mention other two vectors that breed in water.

(b) Give two ways of controlling the vectors mentioned in (a) above .

(i) _____

(ii) _____

48. The diagram below shows immunization sites on a baby. Use it to answer questions that follow.



- (a) Mention the age at which the vaccine through site **B** is administered.
- _____
- (b) Which letter shows the site that remains with a permanent scar after vaccination ?
- _____
- (d) Give any one disease prevented through immunization at site **C**.
- _____
- (d) Why are vaccines administered at different ages?
- _____
- _____

49. (a) State the meaning of silting.

- (b) Mention one cause of silting.

- (c) Give two dangers of silting.

(i) _____

(ii) _____

50. (a) Write two examples of science oriented clubs.

(i) _____

(ii) _____

(b) State two importance of involving learners in science oriented clubs.

(i) _____

(ii) _____

51. (a) Give any one example of an essential drug.

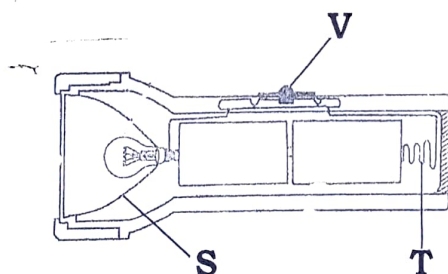
(b) State two qualities of essential drugs.

(i) _____

(ii) _____

(c) How can drugs be protected from getting spoiled?

52. **The diagram below shows a simple circuit. Use it to answer questions that follow .**



(a) Name parts marked **S** and **T** .

(i) **S** _____

(ii) **T** _____

(b) State the function of part marked **V**.

(c) Give one condition under which the circuit above may suddenly stop producing light.

53. (a) Give two ways in which mechanics increase friction in machines.

(i) _____

(ii) _____

(b) State two importance of friction force to mechanics.

(i) _____

(ii) _____

54. **Match the disease of the respiratory system below with the sign it presents correctly.**

DISEASES

whooping cough

lung cancer

asthma

tuberculosis

SIGNS

difficulty in breathing

chronic cough

Vomiting

abnormal growth of cells in the lungs

(i) whooping cough - _____

(ii) lung cancer - _____

(iii) asthma - _____

(iv) tuberculosis - _____

55. (a) Mention the root system possessed by :

(i) cereals _____

(ii) legumes _____

(b) Apart from the root system, state other two differences between cereals and legumes .

(i) _____

(ii) _____

END