

CITY NURSERY AND PRIMARY SCHOOL.

P.T END OF MARCH EXAMINATIONS.

INTEGRATED SCIENCE.

Time Allowed: 2 hours 15 minutes.

INDEX NO.

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CANDIDATE'S NAME: _____

SCHOOL NAME: _____

DISTRICT NAME _____

SECTION A.

1. Name the body's sense organ for feeling.

2. How do we call the process by which food is broken down into small soluble particles that can be absorbed by the body?

3. Give any one way of conserving fossil fuels in the environment.

4. How do we call the breathing organs of a spider?

5. Mention any one example of a perennial crop.

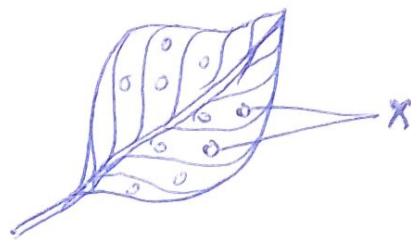
6. How are secateurs important to a crop farmer?

7. Why is a stone regarded as an irregular object?

8. What do you understand by the term germination?

9. How does sound from a radio reach the ears of the listener?

Use the diagram below to answer questions 10 and 11.



10. Name the structures marked X in the diagram above.

11. Name the human body organs that perform the same function like that of the structures mentioned above.

12. State any one difference between mass and weight?

13. Name the longest bone in the body.

14. Give any one physical process involved in the water cycle.

15. Identify any one way of preventing cannibalism on a poultry house.

16. How is a duck billed platypus similar to a duck in terms of their reproduction?

17. Convert

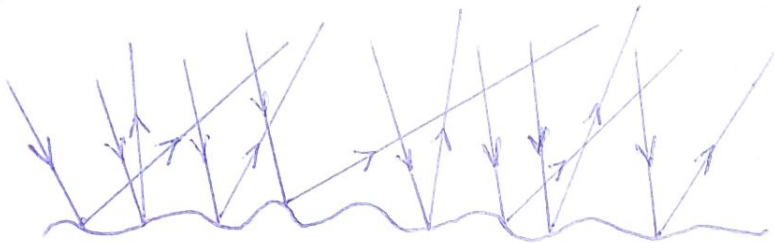
18. Mention any one natural source of light in the environment.

19. Write down any one way in which plants depend on people.

20. How is an eagle dangerous to a poultry farmer?

21. Suggest any one tick-borne disease that affects cattle.

22. What type of reflection is illustrated in the diagram below?



23. In one sentence, explain the term a lever.

24. Why do chameleons change their colours of appearance?

25. What term describes a combination of gases?

26. Why are handles of an iron box made of wood?

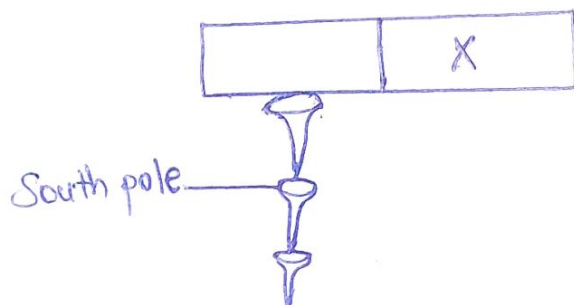
27. State any one factor considered when classifying animals in the ecosystem.

28. Briefly explain the term vasoconstriction as used in the excretory system.

29. Give any one cultural practice that promotes the spread of AIDS.

30. Which process is used to obtain water from ice?

31. Name the magnetic pole marked with letter X below.



32. Why is water regarded as a renewable resource?

33. Why should health workers prescribe drugs?

34. Mention any one condition necessary for respiration to take place.

35. Why is tepid sponging an important first aid to a person with high fever?

36. Name the last type of teeth to grow in humans.

37. How does a crop farmer benefit from a nearby apiary?

38. Why are plants regarded as producers in the food chain.

39. Write down any one property of air.

40. Suggest any one example of a water borne disease that affects the skeletal system.

SECTION B (60 MARKS)

41 a) Explain the meaning of the term rehydration.

b) Give any one way how a dehydrated person can be rehydrated.

c) Write down two mineral salts that are regained in the body during rehydration.

i) _____

ii) _____

42 a) What are renewable resources?

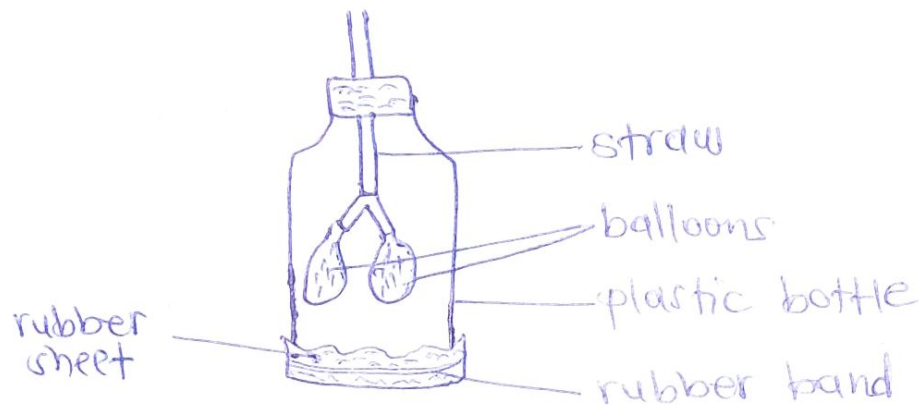
b) Why is the sun referred to as a renewable resource?

c) How is the sun useful to the following;

i) rain cycle

ii) plants

43. The diagram below shows a body system. Study and use it to answer the questions that follow.



a) Identify the body system shown above.

b) Name the part of the above system represented by;

i) straw

ii) Balloons

c) state what would happen to the rubber sheet if the balloons are filled with air.

44 a) What do you understand by the term puberty?

b) Give any two physical sex changes that occur in both boys and girls.

i)

ii)

c) Give any one way adolescents can manage their body changes.

45 a) Write down two methods of heat transfer in matter.

i) _____

ii) _____

b) Identify any one effect of heat gain on matter.

c) Give any one natural process that produce heat in the environment.

46 a) What is a joint?

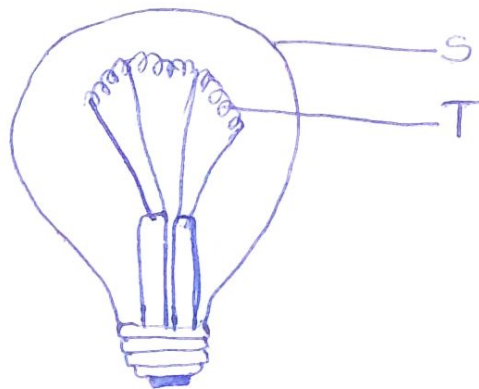
b) State any one substance that helps to reduce friction around the joints.

c) Write down any two examples of antagonistic muscles.

i) _____

ii) _____

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



a) Name the part labelled with letter S.

b) Give a reason why is part marked T coiled?

c) Suggest any one reason why an electric bulb may fail to give out light.

d) Mention any one gas that is enclosed in part S.

48. Sylvia put one table spoonful of sugar into a glass of water and stirred it. The sugar then disappeared.

a) State what happened to the sugar?

b) What did the following act as in the above process.

i) Water

ii) Sugar

c) Write down the scientific name given to the final content in the glass of Sylvia.

49 a) Define the term a balanced diet?

b) Write down any two classes of food.

i)

ii)

c) Suggest any one disease prevented through feeding on a balanced diet.

50 a) Where does food absorption take place in the human digestive system?

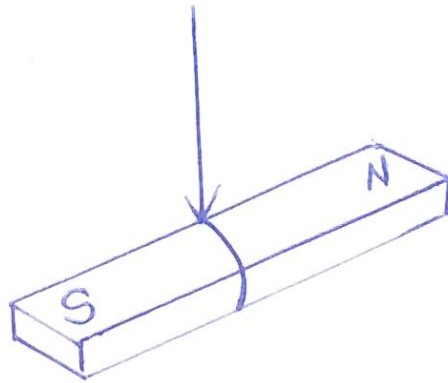
b) Write down the type of digestion that is carried in the mouth by the action of the teeth.

c) Mention any two disorders of the digestive system.

i)

ii)

51. Below is a diagram showing a property of magnets. Use it to answer the questions below it.



a) Name the property of magnets shown in the diagram above.

b) Apart from the property of magnets written in (a) above, mention any one other property of magnets.

c) Mention any one example of a magnetic material.

d) Suggest any one way of demagnetizing a magnet.

52 a) Name the largest vein in the body.

b) Give any one functional difference between veins and arteries in the human circulatory system.

c) Name the mosquito borne disease that attacks the red blood cells.

d) Suggest any one way of maintaining the proper functioning of the blood circulatory system.

53. Match list A with list B correctly.

List A

Lungs

Kidneys

Liver

Skin

List B.

Bile pigments

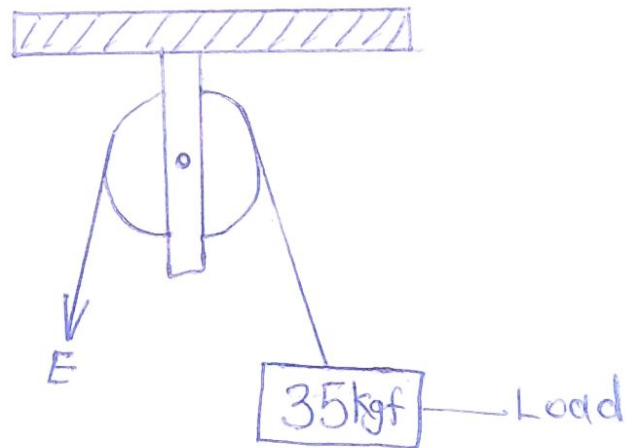
Sweat

Carbon dioxide

Urine

- i) Lungs _____
- ii) Kidneys _____
- iii) Liver _____
- iv) Skin _____

54. Use the diagram below to answer the questions below it.



- a) Name the type of pulley system drawn above.

- b) Give any one use of the above pulley in our daily life.

- c) Find out the amount of effort needed to overcome the load shown in the diagram above.
(2 marks)

55. Complete the table below correctly.

| IMMUNISABLE DISEASE | VACCINE | MODE OF ADMIN. | BODY SITE. |
|---------------------|---------------|----------------|-----------------|
| _____ | BCG Vaccine | Injection | Right Upper Arm |
| Diarrhoea | _____ | orally | Mouth |
| Diphtheria | DPT vaccine | Injection | _____ |
| Polio | Polio vaccine | _____ | Mouth |

E N D.