



BOBI WINE PEOPLE POWER NUP

P.7 MOCK EXAMINATIONS

INTEGRATED SCIENCE

Time allowed: 2 Hours 15 Minutes

INDEX NUMBER

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Candidate's Name: _____

Candidate's Signature: _____ Date: _____

School's EMIS Number: _____

District Name: _____

Read the following instructions carefully

1. The paper has two sections: A and B.
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. Diagrams must be drawn in pencil.
4. Un necessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: **"For Examiners' Use Only:**
and those inside the question paper

SECTIONS	MARKS
SECTION A	
SECTION B	
TOTAL	

SECTION A

1. Which organ is affected by trachoma?

2. Which force enables objects to weigh less in water than air?

3. How is fertilization in mammals similar to that in birds?

4. Name the vector for East Coast Fever in cattle.

5. What food deficiency can lead to kwashiorkor?

6. State the type of objects which require the displacement method to get their volume.

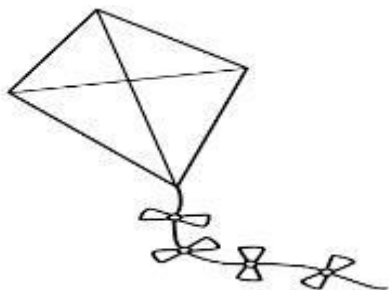
7. Name any one disease which can be controlled by boiling water for drinking.

8. Why are grasshoppers called crop pests?

9. How is burning of rubbish dangerous in the environment?

10. Give any one function of the liver in the body?

Use the diagram of the flying kite below to answer the question that follows.



11. What type of energy does the flying kite have?

12. Which element of PHC does a child promote by a mother breast feeding a baby?

13. State the similarity in function between the kink of the thermometer and the valves in the veins.

14. Give any one reason why crops should be thinned.

15. Mention any one way in which wind is used as an energy resource.

16. Why is filtering of water alone not enough to make it safe for drinking?

17. State the main duty of the master bee in a hive.

18. How can loosening the string affect the pitch of sound?

19. Give the importance of water during seed germination.

20. Where does a cassava plant store its food?

21. State any one use of biogas at home?

22. Which liquid reduces friction in the human joints?

23. What is the function of a bulb in an electric circuit?

24. In the space below, draw a white blood cell.

25. How do trees clean the air around an industry?

26. State what happens when two North poles of magnets are brought together.

27. What term refers to keeping too many animals on a small plot by a farmer?

28. How does bush burning lead to soil erosion?

29. Name any one dangerous substance found in tobacco.

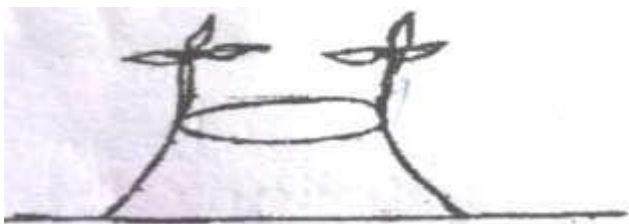
30. Mention any one characteristic of swimming birds.

31. Why are legumes included in crop rotation?

32. Name the disease which causes abortion in cows.

33. How does sound travel from one place to another?

34. Name the method of harvesting trees shown below.



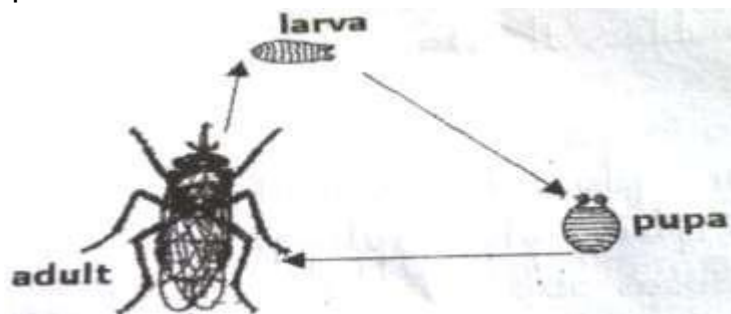
35. State one way of reducing friction between moving parts of machines.

36. Give the role played by the sun during the water cycle.

37. Which part of the skeleton protects the spinal cord?

38. How does the moth detect flowers in the darkness at night?

39. The diagram below shows a life cycle of a common vector. Use it to answer the question about it.



Name the insect that undergoes the life cycle above.

40. State one role of children in a home.

SECTION B

41. a) State any two drugs that can cause addiction.

i) _____

ii) _____

b) Mention one body organ which is affected by drugs.

c) How can one avoid the drugs mentioned in (a) above?

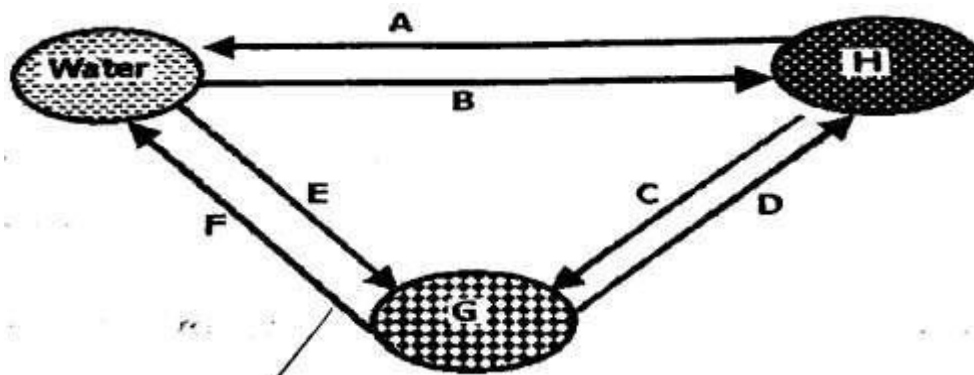
42. a) What is transpiration as used in plant life?

b) Mention the process by which plants absorb water from the soil.

c) Name the part of a plant which mainly carries out photosynthesis.

d) How is the root cap important to the root?

43. The diagram below shows an illustration of change of state of matter. Study and use it to answer the questions that follow.



a) Name the processes A and B.

i) A _____

ii) B _____

b) Name one process that takes place at low temperature.

c) Name the natural process that involves processes E and F.

44. a) Mention any two internal worms in people.

i) _____

ii) _____

b) How can internal worms be prevented?

c) State any one effect of internal worms to the human body.

45. Match items in list A correctly with those in list B.

A

- a) Excess protein stored as
- b) Secreted from the pancreas
- c) Produced in the stomach
- d) Increases speed of digestion

B

- Gastric juice
- Enzymes
- Glycogen
- Insulin

- a) Excess protein is stored as _____
- b) Secreted from the pancreas _____
- c) Produced from the stomach _____
- d) Increases speed of digestion _____

46. Heat and light energy are both useful in the lives of organisms in the environment.

- a) State how human health depends on
 - i) Light energy _____
 - ii) Heat energy _____
- b) How does heat from the sun reach the earth?

- c) Give any one effect of heat on matter.

47. a) State any two natural hazards that lead to the degradation of the environment.

- i) _____
- ii) _____
- b) What health problem is most likely to occur to people living near stagnant water?

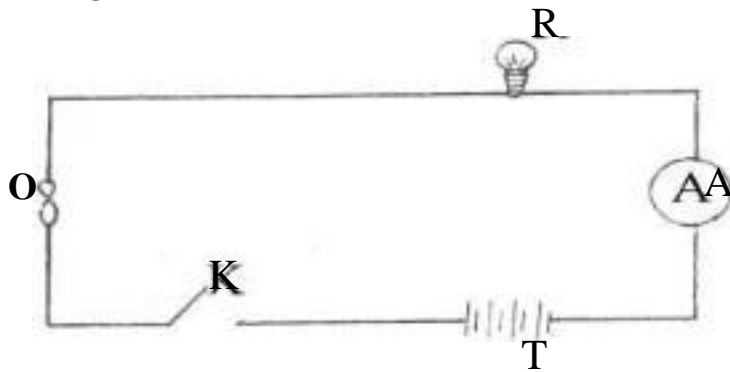
c) How are wetlands useful in the environment??

48. a) Mention any two methods of controlling weeds used by farmers.

- i) _____
- ii) _____
- b) State any one reason why farmers weed their gardens.

c) Name any one example of weeds.

49. The diagram below shows an electric circuit.



a) Name parts marked K and O.

i) _____

ii) _____

b) What form of energy is stored in T?

c) Use an arrow head to show the direction of current flow.

50. a) Name any two fungi which are useful to human beings.

i) _____

ii) _____

b) State one way how any of the above fungi is useful to people.

c) How do most fungi reproduce?

51. a) What is an accident?

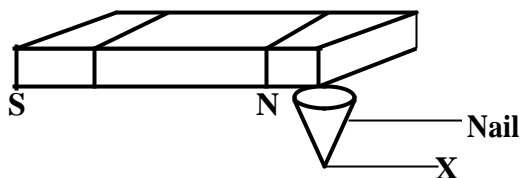
b) Mention any two accidents that affect the muscular skeletal system.

i) _____

ii) _____

c) Name any one disease that affects the muscular skeletal system.

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



a) Name the pole of the nail at x.

b) How does the nail in the diagram become or get magnetized?

c) What type of magnet does the nail become?

d) Mention any other method of making a magnet.

53. a) What are poultry vices?

b) Give any two examples of poultry vices.

i) _____

ii) _____

c) State any one way of controlling the above vices in poultry.

54. a) Name any two types of cattle.

i) _____

ii) _____

b) Mention any one advantage of keeping local breeds of cattle over exotic ones.

c) Why do farmers practice cross – breeding on their farms?

55. a) What is soil erosion?

b) Write down any two types of soil erosion.

i) _____

ii) _____

c) Mention one method used to control soil erosion in an area.

END