GREENHILL PRIMARY SCHOOL BUWAATE

PRE-MIDTERM ASSESSMENT 2023

CLASS : P.7

SUBJECT : INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Candidate's Name: .....STREAM …....

Candidate's Signature: .....

Read the following instructions carefully:

1. The paper has **two** sections **A** and **B.**
2. Answer **all** questions**. All** answers to both Sections **A** and **B must** be written in the Spaces provided.
3. **All** answers must be written using a **blue or black ball-point pen or ink.**
4. Unnecessary 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 the boxes indicated **"For Examiners' Use Only"** and those Inside the question paper.

FOR EXAMINERS' USE ONLY		
QN.NO.	**MARKS**	**EXR'S NO.**
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
Total		

SECTION A.

1. Name the vaccine which protects the body against three immunisable diseases.

   ……

2. What type of pollination takes place when anthers mature before the stigmas on a plant?

   ……

3. How can you protect yourself from contracting sexually transmitted diseases?

   ……

4. Give any **one** way in which heat transfer by radiation is helpful to people.

   ……

5. Which kind of magnet is obtained by passing electric current through a metallic object?

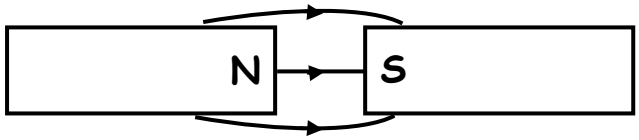
   ……

6. Give **one** similarity between a moss plant and a mushroom

   ……

   ……

The diagram below shows a property of magnets.



7. State the property shown above.

   ……

   ……

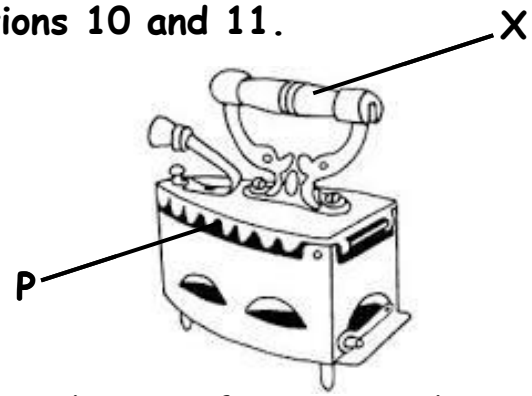
8. In which way do stomata on a leaf support the process of photosynthesis?

   ……

9. When a piece of paper is burnt, it changes to ash. Name the type of change that occurs.

……

The diagram below shows an ironing box. Use it to respond to questions 10 and 11.



10. What is the use of part **X** to the person ironing clothes?

……

11. Identify the part of your classroom that works in a similar way to part **P**.

……

12. Why should sugar be included in the oral rehydration solution?

……

13. What term refers to the mass of an object per unit volume as used in measurement?

……

14. Give any **one** use of the human skeleton.

……

15. Which type of insemination encourages any bull to mate with a cow which is on heat?

……

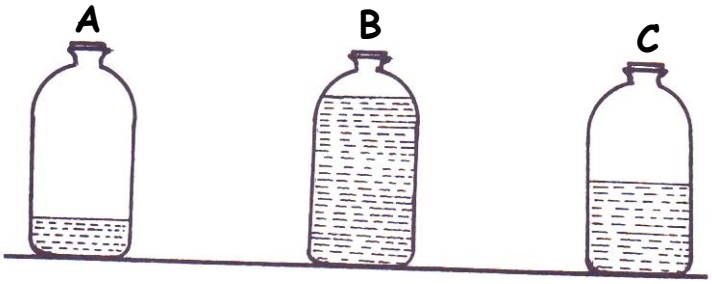
16. Name the component of soil which is formed as a result of weathering.

……

17. Give **one** seed which is a source of proteins to the human body.

……

Study the diagram below and answer the questions 18 and 19



18. Which of the above bottles will produce sound of the highest pitch when air is blown into them?

……

19. Give a reason to support your answer in 18 above.

……

20. Give any **one** disadvantage of drinking unboiled water.

……

21. State the function of blood vessels in the human body.

……

22. Give **one** way in which a VIP latrine is different from an ordinary pit latrine.

……

23. Apart from houseflies, name one other vector that may spread faecal diseases.

……

24. Give **one** activity done to care for your teeth.

……

25. Which animal product is a raw material in a tannary?

……

26. How does ripening of fruits help in the process of seed dispersal?

……

27. Why is the use of biogas considered to be environmentally friendly?

……

28. State **one** way of controlling soil erosion in a school compound.

……

29. Give any **one** way of controlling swarming of bees in apiculture.

……

30. Name the group of vertebrate4s whose body is covered with fur.

……

31. How does regular weeding of the garden control crop pests?

……

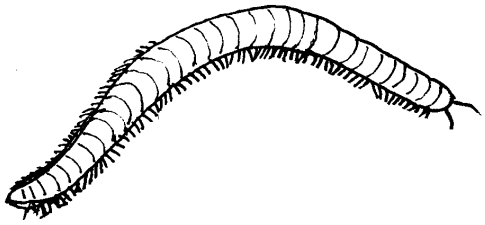
32. In which condition of the body is tepid sponging recommended to an individual?

……

33. How are joints important in the body?

……

34. To which group of invertebrates does the animal below belong?



……

35. How does the animal above protect itself from its enemies?

……

36. Mention any **one** natural factor which may lead to inadequate food supply in a community.

……

37. Why do human beings use blankets to cover their bodies at night?

……

38. Give any **one** reason for proper housing of cattle.

……

39. Why would you group a wheel barrow under second class levers?

……

40. In which way do people use the sun as a resource?

……

SECTION B. (60 marks)

41. (a) Give any **two** examples of tick-borne diseases among cattle.

(i) ……

(ii) ……

(b) Write down any **two** ways of controlling tick-borne diseases among cattle.

(i) ……

(ii) ……

42. Match the words given in P with their meaning in Q correctly.

P	Q
Mass	any thing that occupies space and has weight
Weight	the maximum amount of matter something can contain / hold.
Capacity	quantity of matter in an object
Matter	force exerted on an object by earth.

(a) Mass ……

(b) Weight ……

(c) Capacity ……

(d) Matter ……

43. (a) What structure in the body joins a bone to a muscle?

……

(b) Give **one** part of a human body with the following joints.

(i) Ball and socket joint

……

(ii) Hinge joint

……

(c) Write **one** danger of poor body posture.

……

44. (a) In which way are the spiracles of an insect similar to the gills of a tadpole?

……

(b) What happens to the diaphragm when we breathe in?

……

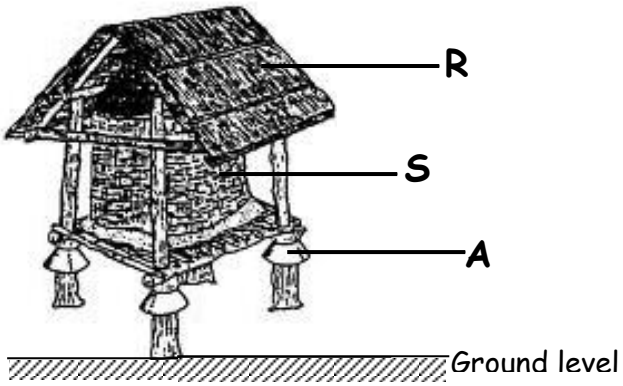
(c) Why is the trachea made of rings of cartilage?

……

(d) Mention any **one** communicable disease that affects the lungs of children.

……

45. **Below is a diagram of a grain storage facility. Use it to answer the question 45.**



(a) What is the importance of parts marked **R** and **S?**

(i) **R**……

(ii) **S**……..

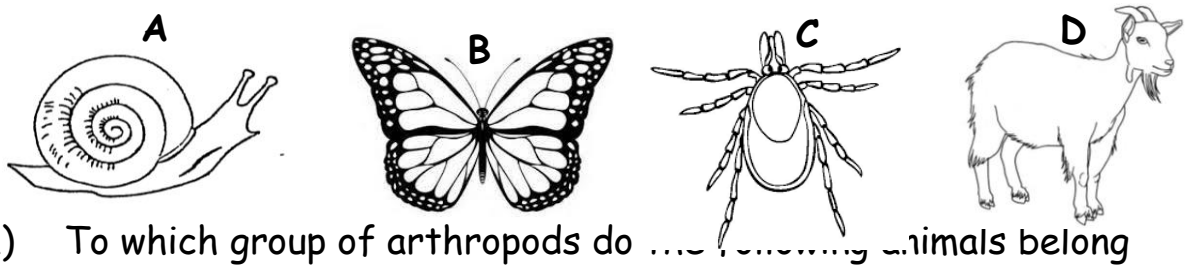
(b) Why is part labelled **A** important during maize storage?

……

(c) Give a reason for constructing the grain store above the ground as shown above.

……

46. **<u>Study the animals below and use them to answer the questions that follow</u>.**



(a) To which group of arthropods do the following animals belong

(i) **B**…… (ii) **C**……

(b) Give **one** danger of organism **A** in the environment.

……

(c) What makes a goat to be so unique in the list?

……

47. (a) Give any **one** insect-pest in the environment.

……

(b) Mention **one** way in which crop pests are dangerous to a farmer.

……

(c) Give **two** ways of controlling crops pests without using chemicals.

(i) ……

(ii) ……

48. (a) In which two ways is soil considered a resource?

(i) ……

(ii) ……

(b) What effect does running water have on the land?

……

(c) Why is it not necessary to mulch a sweet potato garden?

……

49. (a) Name the states of matter to which water vapour belongs.

……

(b) By what process is water vapour formed?

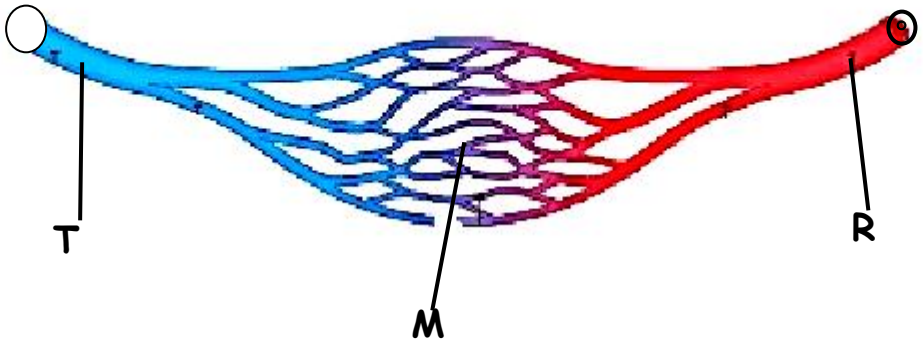
……

(c) Give **two** examples of materials that are insulators of heat.

(i) ……

(ii) ……

50. **The diagram below shows blood vessels. Use it to answer question 50.**



(a) Identify the blood vessels labelled **M** and **T**.

(i) **M** ……

(ii) T ……

(b) State the importance of blood vessels **M** in the human body.

……

(c) Give the difference between blood vessel **R** and **T**.

……

……

51. (a) Why should first aid be given to a casualty?

(i) ……

(ii) ……

(b) What first aid would you give to a casualty with a broken leg?

……

(c) Name the accident which requires mouth-mouth breathing.

……

52. (a) State any **two** main parts of an insect.

(i) ……

(ii) ……

(b) How are the antennae useful to an insect?

……

(c) How may a swarm of locusts be of danger to the environment?

……

53. (a) Why are carrots grouped under root tubers?

……

(b) Give any other **two** examples of root tuber apart from carrots.

(i) ……

(ii) ……

(b) What food value is mainly provided by root tubers?

……

54. (a) What name is given to the crops which have root nodules?

……

(b) Give any **two** examples of such crops.

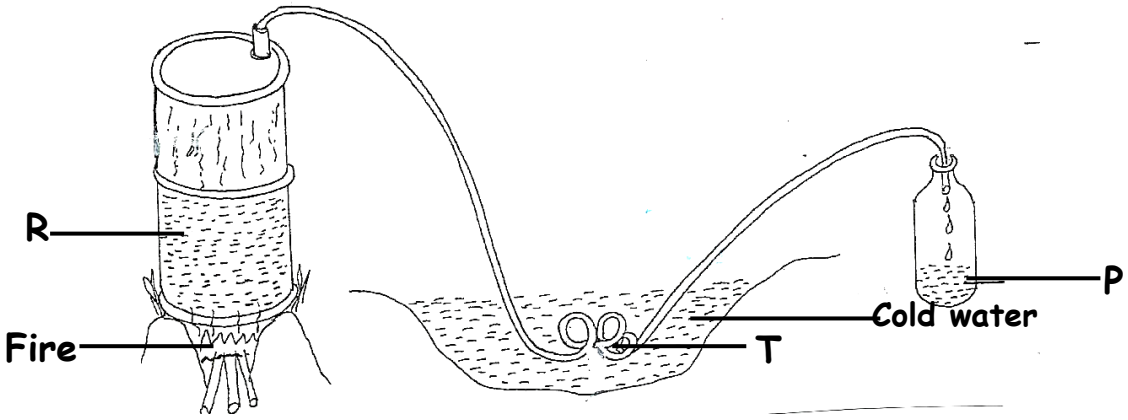
(i) ……

(ii) ……

(c) Which useful organisms are contained in the root nodules of the above crops?

……

55. **The diagram below shows the process of purifying crude alcohol. Use it to answer question 55.**



(a) Name the **two** processes that take place in **R** and **P**.

(i) **R** ……

(ii) **P**……

(b) Give a reason why part **T** is coiled.

……

(c) Why do some people take alcohol?

……

END