

GREENHILL SCHOOLS

JOINT PRE-MOCK EXAMINATION 2024

SUBJECT : INTEGRATED SCIENCE

TIME ALLOWED : 2 HOURS 15 MINUTES

Name _____ Stream _____

Campus _____

--	--	--	--	--	--	--	--	--	--

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. This paper is made up of two Sections: A and B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked.
6. Unnecessary crossing out of answers may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks.

FOR EXAMINERS 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		

SECTION A:

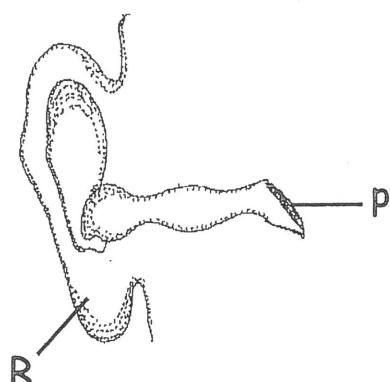
1. Name the vector that spreads river blindness to people.

2. Mention any one danger of castration to farm animals.

3. Give one example of a climbing bird.

4. Why are biceps and triceps muscles said to be antagonistic muscles.

The diagram below shows part of the human ear. Use it to answer questions 5 and 6.



5. Identify the part labelled R.

6. State the importance of part P in the process of hearing.

7. Why is a bat grouped under mammals?

8. Name the structures in the ileum that enable it to absorb digested food.

9. State the importance of the ureters in the process of urine excretion.

10. Give one way farmers control inbreeding in pig rearing.

11. Mention any one way of improving the efficiency of machines.

12. Write down one example of a stem tuber used for food in Uganda.

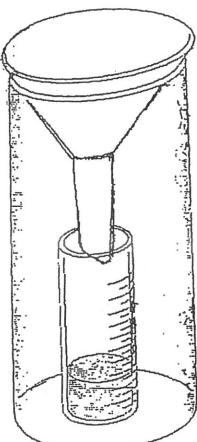
13. Explain how recycling of plastic bottles controls environment pollution.

14. How does synovial fluid reduce friction at a joint?

15. State any one danger of nicotine to the human body.

16. Which energy change take place in a dry cell when the circuit is complete.

The diagram below is of weather instrument. Use it to answer question 17 and 18.



17. Identify the weather instrument shown above.

18. Why is the above instrument not kept in a Stevenson screen?

19. State one advantage of having a garden at school?

20. Where in a human being does fertilization occur?

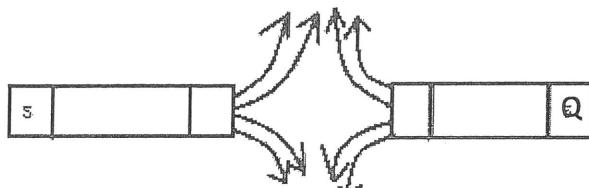
21. Give one way of conserving wood fuel.

22. Mention one advantage of natural incubation in poultry keeping.

23. Why are we advised to cover the area around a convulsing person with clothes or pillows?

24. How can one control mosquitoes at their larva stage?

The diagram below shows a property of magnets. use it to answer questions 25 and 26.



25. Identify the property of magnets shown above.

26. Name the pole marked Q.

27. Why are weaning babies grouped under vulnerable people?

28. Which mineral salt is used by the body to increase on the volume of blood?
-

29. Mention any one condition that may lead to a short circuit at home.
-

30. Give one characteristic of insect pollinated flowers.
-

31. Why should adolescents manage their physical body changes?
-

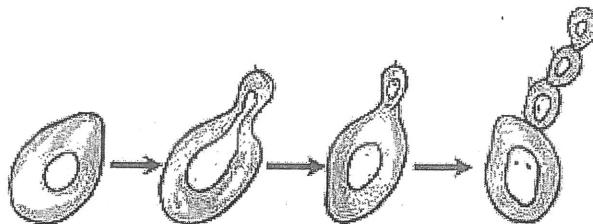
32. How is DPT vaccine administered to babies?
-

33. Explain why the joint at the knee is a hinge joint.
-

34. Name any one material used to produce local salt.
-

35. Give one common practice that damages the human skin.
-

The diagram below shows a mode of production in fungi. Use it to answer questions 36 and 37.



36. Identify the mode of reproduction shown above.
-

37. Which fungi has the mode of reproduction shown above?

38. Give the meaning of the term fever.

39. How does the setting of tsetse fly traps on a cattle farm promote health among cattle?

40. Mention one local material we use to make a hat.

SECTION B

41. (a) Identify any two drugs commonly abused in our community.

(i) _____

(ii) _____

b) Give one cause of drug abuse in the community.

c) Write any one life skill that one needs to stay away from drug abuse.

42. (a) One of the effects of heat gain on matter is melting. Identify any two substances that melt when heated.

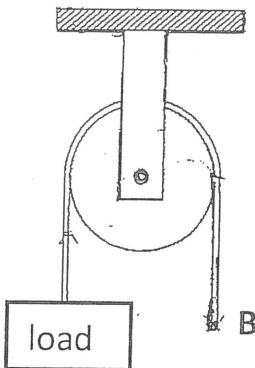
(i) _____

(ii) _____

b) Give one example of a situation that shows that solids expand when heated.

c) Why Can't heat pass through solids by convection?

43. The diagram below shows a simple machine and use it to answer questions that follow.



(a) Identify the type of simple machine shown above.

b) How does the above machine simplify work?

c) Using an arrow, show the direction of effort at point B.

d) Workout the effort needed to raise a load of 40kgf using the machine shown above.

44. (a) Which set of teeth in human beings is not replaced naturally once lost?

b) Write the number of teeth that make up the set you have named in (a) above.

c) Give any one activity that may harm our teeth.

d) Identify the part of a tooth that protects the inner parts from damage.

45. (a) State any two conditions that can stop a mother from breastfeeding her baby.

(i) _____

(ii) _____

b) Give one advantage of breast feeding to the;

(i) mother

(ii) baby

46. (a) Give a reason why a fish is grouped under cold blooded animals.

b) Why does a fish die a few minutes after being removed from water?

c) Besides fish, mention two other groups of cold blooded vertebrates.

(i) _____

(ii) _____

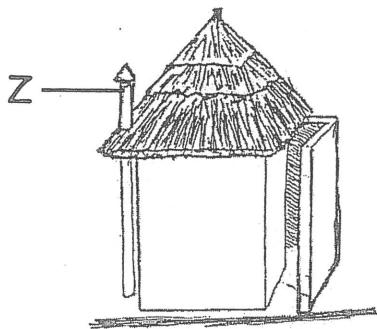
47. (a) Explain how a class can use cow dung to produce a renewable fuel at school. (2marks)

b) State any two ways of conserving wood fuel.

(i) _____

(ii) _____

48. The diagram below is of a common structure in our homes. Study and use it to answer questions that follow.



a) Identify the structure shown in the diagram above.

b) State the importance of part marked Z.

c) How does the above structure help to control the spread of cholera?

d) Why should the above structure be constructed at least 30metres from a water source?

49. Madaya a P.5 boy, accidentally poured sand in salt.

Describe how Madaya would separate the salt from the sand.

50. (a) Give the meaning of the term friction.

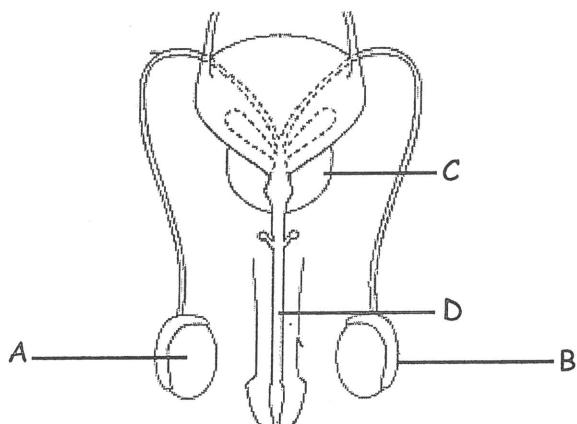
b) Identify any two ways friction is useful in our daily life.

(i) _____

(ii) _____

c) State any one effect of friction on moving machines.

51. The diagram below shows the male reproductive system. Study and use it to answer the questions that follow.



a) Identify the parts marked A and C.

A _____ C _____

b) Give the function of the part marked B.

c) Identify any one condition that may lead to blockage of part marked D.

52. (a) Where in the body does respiration take place?

b) How is respiration important to the body of a P.7 girl?

c) Describe the behavior of the diaphragm during inhalation.

d) Why do we exhale more carbon dioxide than we inhale?

53. (a) Mention the deficiency disease that causes bleeding of gums and poor healing of wounds.

b) State the cause of the disease you have named in (a) above.

c) Why are deficiency diseases grouped under non communicable disease?

d) How can parents protect their children against deficiency diseases?

54. (a) Mention any one dairy breed of cattle.

b) State any one characteristic of dairy cattle.

c) Identify any one farm practice that can improves milk production on a dairy farm.

d) How can a farmer use exotic cattle to improve on his local cattle?

55. Match the following body organs to their uses correctly.

A

Kidney

B

Removes carbon dioxide from the body

Lungs

Regulates blood sugar

Skin

Regulates body temperature

Liver

Regulates the amount of water in the body.

Kidney _____

Lungs _____

Skin _____

Liver _____

***** END *****