

GREENHILL ACADEMY SCHOOLS
PRE-PLE JOINT MOCK EXAMINATION 2024
(SET VII)

INTEGRATED SCIENCE
Time allowed: 2 hours 15 minutes

Random No.						Personal		

Candidate's Name:

Candidate's Signature.....

District ID:

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Read the following instructions carefully:

1. Do not write your **school** or **district** anywhere on this paper.
2. This paper has two sections: **A** and **B**.
Section **A** has **40** questions and Section **B** has **15** questions. The paper has **15 printed pages** altogether.
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers must be written using a **blue** or **black** ball point pen or ink. Any work done in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss** of marks.
6. Do not fill anything in the table indicated:

FOR EXAMINERS' USE ONLY		
On.No.	MARKS	EXR'S NO.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

"For Examiners' Use only" and boxes inside the question paper.

SECTION A: 40 MARKS

Questions **1** to **40** carry **one mark** each

1. Mention **one** condition plants need to make starch.

.....

2. Why are telephone wires fixed loosely on poles?

.....

3. State **one** importance of family planning in a family?

.....

4. Name **one** breed of pigs kept in Uganda.

.....

5. How does a drum produce sound?

.....

6. Give **one** use of the skin to people.

.....

7. Name **one** disease controlled by drinking boiled water.

.....

The diagram below shows a human tooth. Use it to answer questions **8** and **9**.



8. Name the type of tooth shown in the diagram above.

.....

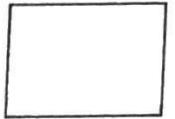
9. State the importance of the tooth shown above during eating food.

.....

10. What is the importance of ossicles in the human ear during the process of hearing?

.....

.....



11. Why do goat farmers ear tag their goats?

.....

12. Give **one**-way vectors spread diseases to people.

.....

.....

13. Mention any **one** factor that affects the pitch of sound.

.....

14. Which food value is first digested in the stomach?

.....

.....

15. Give **one** use of leaves to a plant.

.....

16. How do amphibians like frogs help in controlling malaria?

.....

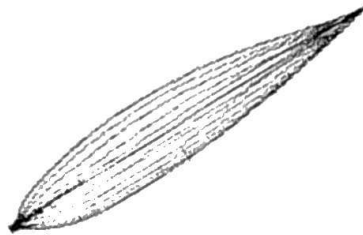
.....

17. To which group of arthropods are spiders?

.....

.....

The diagram below shows a type of leaf venation. Use it to answer questions **18** and **19**.



18. Identify the type of leaf venation shown above.

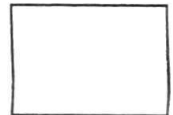
.....

19. Name any **one** crop with the above type of leaf venation.

.....

20. Why do bee keepers wear a veil when harvesting honey?

.....



21. Give **one** example of involuntary muscles.

.....

22. Where in the body does respiration take place?

.....

23. State the use of a sickle to a farmer?

.....

24. How does crop rotation control crop pests?

.....

25. Write down any **one** similarity between bats and snakes?

.....

.....

26. Name any **one** use of screws in our daily life.

.....

27. Give **one** difference between conifers and ferns.

.....

.....

28. What advice would you give to a rabbit farmer whose rabbits are suffering from intestinal worms?

.....

.....

29. State **one** way of managing accidents in our community.

.....

.....

30. Which vector spreads plasmodium germs to people?

.....

31. State any **one** factor to consider when selecting a good piglets for rearing.

.....

32. Mention any **one** importance of bacteria in the environment.

.....

.....

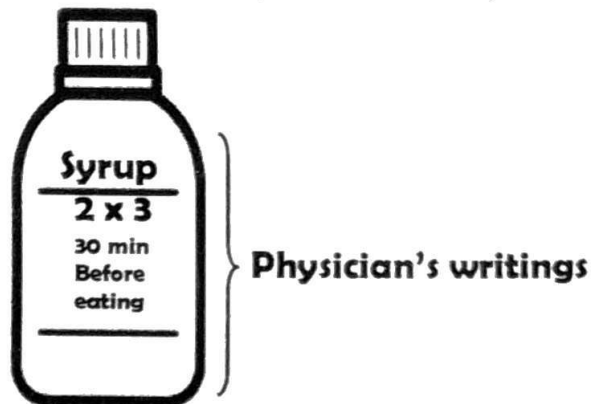
33. Which type of immunity do we get after recovering from sickness without using any drug?

.....

34. How are valves useful in the human heart?

.....

The diagram below is a bottle of syrup a mother bought from a pharmacy. Use it to answer questions 35 and 36.



35. What do we call the physician's writings on the bottle above?

.....

36. Why should the mother keep the above medicine out of children's reach?

.....

.....

37. Give **one** reason why people smoke tobacco.

.....

.....

38. Which component of air supports burning?

.....

39. Name the part of the flower that produces pollen grains.

.....

40. Write any **one** property of magnetism.

.....



SECTION A: 60 MARKS

(Questions **41** to **55** carry **four** marks each)

41. a) What is PHC?

.....

.....

b) State any **two** elements of **PHC** where a P.7 pupil can fully participate.

i)

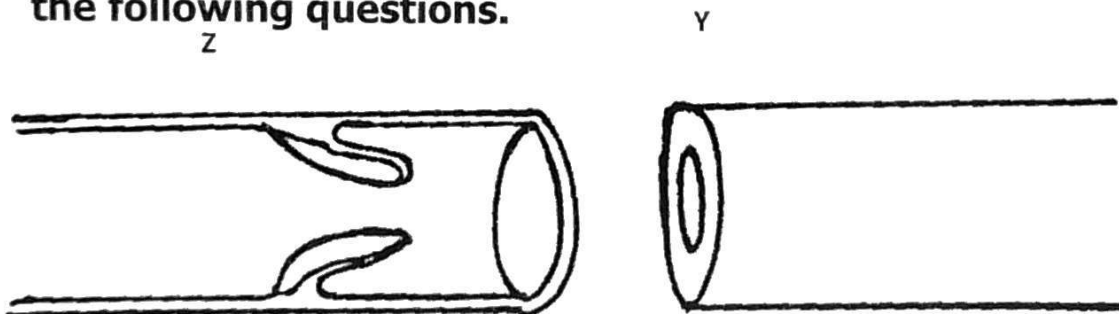
ii).....

c) Give any **one** role of the village health team(**VHT**).

.....

.....

42. Below are diagrams of blood vessels. Use them to answer the following questions.



a)Name the type of blood vessels **Y** and **Z**.

i) **Y**.....

ii)**Z**.....

b)Give **one** functional difference between blood vessel **Y** and **Z**.

.....

.....

c)To which body system do the blood vessels above belong?

.....

43. a) Write any **two** components of soil.

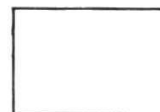
i)

ii)

b) State the **two** processes in which soil is formed.

i)

ii)



44. Complete the table below about farm tools used on a cattle farm correctly.

Farm tool	Use
Burdizzo
.....	for drenching cattle.
Lactometer
.....	for detecting mastitis in cattle.

45. (a) Below are the types of changes that takes in the environment, Match them correctly with the changes.

A Type of change

Biological change

Chemical change

Physical change

B the change

digestion

ecdysis

sublimation

a) Biological change

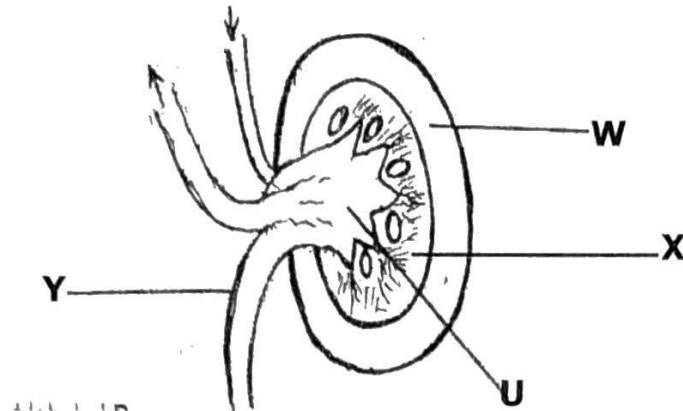
b) Chemical change.....

c) Physical change

d) Write **one** effect of biological changes in animals.

.....

46. The diagram below shows organs of a human kidney. Use it to answer questions that follow.



a) Identify the parts labelled X and U

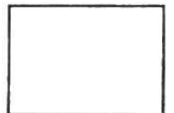
(i) **X**

(ii) **U**

b) State the importance of parts Y and W.

(i) **Y**

(ii) **U**



47. a) Give the meaning of the term beam as used in light energy?

.....

.....

b) Name any two types of beams.

i)

ii)

c) What happens when light rays strike on an opaque object?

.....

.....

48. a) What are resources?

.....

.....

b) Name **two** renewable resources in the environment.

i)

ii)

c) Give **one** way of conserving non renewable resources in the environment.

.....

49. The diagram below shows a common drink in a bottle.

Use it to answer questions that follow.



a) Why is waragi said to be alcohol?

.....

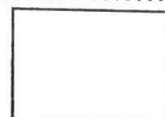
b) State any **two** dangers of excessive drinking of alcohol on a regular basis to a P.7 pupil.

(i)

(ii)

c) How can the school protect children against abusing alcohol?

.....



50. Bryson weighs **60N** and sits **6** metres away from the pivot on a see-saw. The other side of the sea-saw is occupied by Precious who is sits **4** metres away from the pivot in order to balance the see-saw.

a) Draw a sketch to show the above information. **(1 mark)**

b) Find the weight of Precious. **(2 marks)**

c) Name **one** other machine in the same class of levers as a see-saw.

.....

51. a) Why is breast milk the best food for babies?

.....

b) Give **one** factor that encourages bottle feeding of babies.

.....

c) State the malnutritional disease that develops due to lack of the following food values in the diet of babies;

i) Proteins

.....

ii) Carbohydrates

.....

52. The list below is of organisms found in the environment.

Bacteria fowl locust plant leaves

a) Make a food chain from the above list of organisms.

.....

b) Identify the following organisms from the above food chain

i) Producer

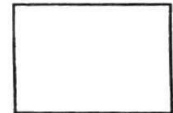
.....

ii) Secondary consumer

.....

c) Name the source of energy for the plant leaves to make their food.

.....



53. a) Give the function of the following on a VIP latrine.

i) Vent pipe

.....

ii) Screen

.....

b) Identify any **one** other type of latrines beside VIP latrine.

.....

c) Mention **one** way of keeping latrines clean.

.....

54. a) What is germination?

.....
.....

b) Give any **two** conditions necessary for seed germination.

(i).....

(ii).....

c) Which type of germination involves cotyledons to come out of the ground?

.....

55. a) What type of skeleton do the following organisms possess?

i) Snail

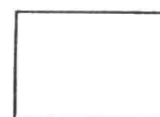
ii) Newt

b) Name **one** body part where immovable joints are found.

.....

c) Give **one** importance of the skeleton to the human body.

.....



*******END*******