

YOCAI-PUBLISHERS LTD.

PRE-MOCK SET 4 2025.

INTEGRATED SCIENCE.

Time Allowed: 2 Hours 15 Minutes

Random No.						Personal No.		

Candidates' name:

Candidates' signature:

District ID No.

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Read the following instructions carefully:

1. Do not write your **school** or **district name** 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 **16 printed pages**.
3. Answer **all** the questions. **All** the answers for both sections **A** and **B** must be shown in the spaces provided.
4. **All** the answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than drawings will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: **"FOR EXAMINERS' USE ONLY"** and in the boxes 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: 40 MARKS

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

1. Name the main part of a flowering plant which grows to increase the height of a plant.

.....

2. Give any **one** way in which food is taken into the body.

.....

3. Which **scientific** name is given to the harmful stage of the housefly?

.....

4. Give a reason as to why aluminum is preferred to copper when transporting electricity over a long distance.

.....

5. Define the term "**cuniculture**".

.....

.....

The diagram below shows a farm management tool. Study it and answer question **6** and **7**.



6. Identify the farm management practice done using the above farm too.

.....

7. Give **one** reason why sheep farmers carryout the above practice.

.....

8. State **one** cause of silting.

.....

9. In which **one** way is the government of Uganda trying to control the spread of infectious diseases?

.....

10. Identify **one** chemical method used in controlling fleas in the coop.

.....



11. Give the reason why a pair of scissors and pliers are grouped under double levers.

.....

.....

The diagram below shows a healthy practice. Study it carefully and use it to answer the questions **12** and **13**.



12. Name the healthy practice shown above.

.....

13. State any one healthy benefit to a P.7 girl when carrying out such an activity.

.....

14. Name the milk product obtained by curdling and straining milk.

.....

.....

15. Which respiratory disorder involves involuntary deep breath often due to tiredness or lack of oxygen.

.....

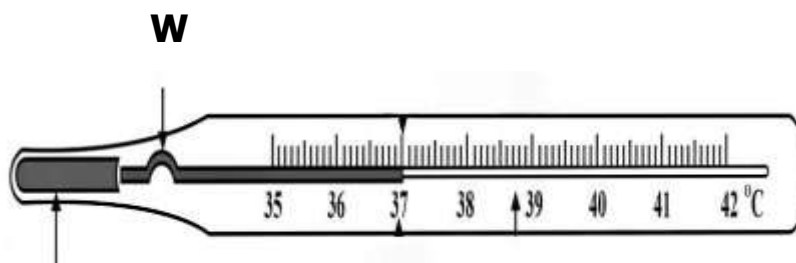
16. In which part of the human kidneys does selective reabsorption take place?

.....

17. State any **one** group of people who entirely use light in their daily activities.

.....

The diagram below shows an equipment used by most health workers.
Use it to answer question **18** and **19**.



18. Give one importance of the above tool to a poultry farmer.

.....

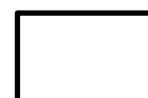
19. Give the reason as to why the scale of the above item starts from 35°C to 42 °C.

.....

.....

20. Name the cattle disease characterized by accumulation of air in the alveoli.

.....



21. State any **one** danger of Eclipse.

.....

22. Briefly explain the term "**hydrological cycle**".

.....

The diagram below shows a home activity carried out by Shannel a student at Shekinah International School. Study it and answer the question **23** and **24**.



23. Which type of weather enabled her to carry out the above activity?

.....

24. State any **one** other activity carried out during the above-mentioned type of weather.

.....

25. Identify the type of erosion characterized by created deep channels in the ground.

.....

26. A substance has a density of 4g/cc with volume 15cc. Find its mass.

.....

27. Give any one reason why heat is called a form of energy.

.....

28. Which part of the human heart pumps deoxygenated blood to the lungs?

.....

29. State the difference between the **atmosphere** and the **sky**.

.....

.....

30. State any **one** factor which determines the harvesting of crops in the garden.

.....



31. Give **a** reason why a housefly undergoes complete metamorphosis.

.....

32. In which way do firemen protect themselves against fire burns?
.....
33. State any one example of a physical change caused by volcanic eruptions.
.....
34. Identify any one source of information about body care.
.....
35. Name the main cause of marasmus to babies.
.....
36. Explain the meaning of the term "**Accommodation**" as used in light.
.....
.....
37. Name the process through which oxygen joins bloodstream into the alveoli.
.....
38. Identify the best and common method tomato farmers use in staking their plants.
.....

39. Ronitah used a block and tackle pulley system of one wheel in the movable block to carry a load of 500N using a force of 250N. Calculate the mechanical advantage incurred.

.....

40. Under which principle does a screw work?

.....

.....



SECTION B 60 MARKS

Question **41** to **55** carry **four** marks each

41. (a) **Apart from the sun rays heating up the water bodies and plants**, Describe the other three ways in which rain is formed.
(03 Marks)

(i).....

.....

(ii).....

.....

(iii).....

.....

(b) Explain the role of the Nimbous clouds in the above process.

.....

42. (a) Mention any **two** parts of the human ear which do not directly get involved in the hearing process.

(i)

(ii)

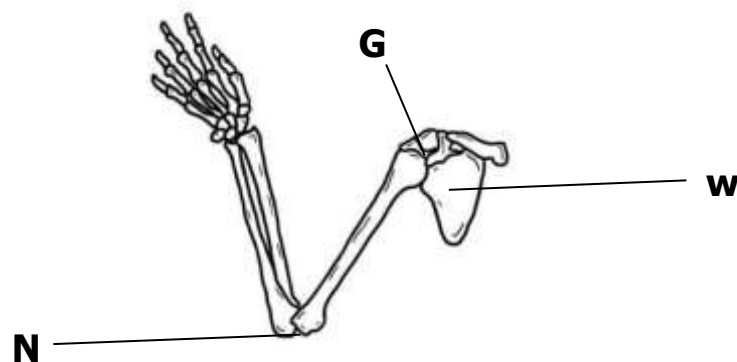
(b) Give any **two** common diseases that can affect the human ear.

(ii)

(ii)



43. The diagram below shows a part of a Skelton with a movable joint.
Study it carefully and answer the questions that follow.



(a) What are **Joints**?

.....

(b) Name the bone marked with letter **W**.

.....

(c) Cite out any role of the gristle in the above part of a skeleton.

.....



(d) State **one** use of joint in the body.

.....

44. (a) How does an electric switch;

(i) Break the circuit.

.....

(ii) Complete the circuit

.....

(b) Point out any **one** sign of the following.

(i) Complete electric circuit.

.....

(ii) Incomplete electric circuit.

.....

45. (a) State **two** reasons as to why the biodigester is kept airtight.

(i)

(ii)

(b) Identify any **one** function of the following parts of the biodigester.

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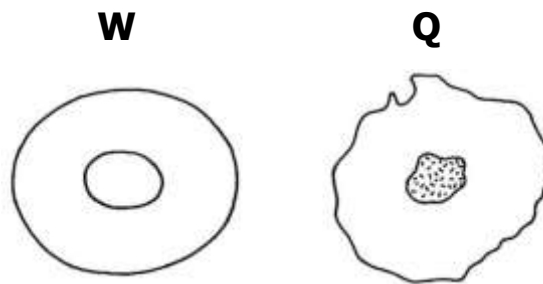
(i) Sludge chamber

.....

(ii) Gas Valve

.....

46. The diagram below shows types of blood cells in the human body. Study them carefully and answer the questions which follow.



- (a) Name the blood cell labelled **W**.

.....

- (b) Give **one** way how blood cell **W** is different from blood cell **Q** in their structural function.

.....

.....

- (c) Give **one** disease that attack the following blood cells.



- (i) Blood cell **Q**

.....

(ii) Blood cell **W**

.....

47. (a) Write brief definitions on the following farm practices.

(i) **Flushing.**

.....

.....

(ii) **Steaming up.**

.....

.....

(b) Identify the form of **reproduction** which takes place in goats.

.....

(c) State any **one** exotic sheep breed kept for meat.

.....

48. Given the following materials, Transparent plastic ruler, In three sentences, Write the steps a Primary five pupil can take to demonstrate an experiment on how to find the effects of cooling on air we breathe out.

(a)

(i).....

.....

(ii).....

.....

(iii).....

.....

(b) Give a reason as to why dew disappears during day time
by evaporation.



.....

.....

49. (a) Mention **two** examples of **biological factors** one can use to
classify plants.

(i)

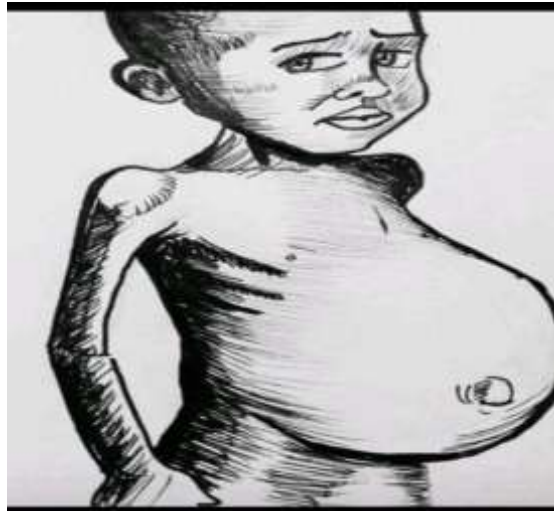
(ii)

(b) Give **two** disadvantages of seed **dispersal in the environment**.

(i)

(ii)

50. The diagrams below Shows a baby suffering from a certain common disease. Study it carefully and answer questions that follow.



- b) Identify the class of food the above child lacks.

.....

(c) Mention any one sign/symptom of the above disease.

.....

(d) Noella a parent accidentally pressed the skin of her child above and it took long to come back to its position, give a reason as to why such happened?

.....

(e) How can Noella a parent of such a child help to prevent the above disease?



51. The table below shows some of the parts of the thermos flask and the function of each part, study it carefully and complete the missing parts.

Part	Function
.....	Prevents heat loss or gain by conduction.
Vacuum	
.....	For taking the liquid kept in the flask.
Metal/plastic case	

52. (a) Give a reason as to why the action of the salivary amylase stops when it reaches the stomach.

.....

- (b) Apart from aiding in digestion, give **one** other use of teeth in humans.

.....

- (c) State **two** ways in which children of Primary seven can improve on their dental hygiene.

(i)

(ii)

53. (a) Study the farm activity below and answer question that follow.



(i) Why should the above mother hen turn the eggs using its beak from time to time?

.....

(ii) How can a local poultry farmer prepare a mother hen for the above activity?

.....

.....

(iii) State any two advantages of the above type of incubation to the farmer.

.....

.....

.....

.....

54. What are alloys.

.....

.....

(b) List down any one example of an alloy whose composition is lead and tin.

.....

.....

(d) Give any two reasons as to why alloys are made.

(i).....

(i)

55. Give the reason as to why.

(i) **A freely suspended bar magnet rests facing North-South direction.**

.....

.....

(ii) **Magnet filed lines move from the North Pole to South pole.**

.....

.....

(b) State **two** Devices that use electromagnets at your school.

(i)

(ii)



THE END