NEXT EXAMINATIONS BOARD

PRE-PLE SET 5 (CHEETAH)

Final Mark Scored	

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random NO.						Personal No.		

Candidate's Name: .....

Candidate's Signature: .....

School Name: .....

Read the following instruction carefully:

1. Do not forget to write your **name** and **school 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** altogether.
3. Answer **all** the questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil 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 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:

1. Give any **one** example of an eye defect.

   .....

2. Mention the component of air that enables plants to make proteins.

   .....

3. State the role of the hepatic portal vein in the body.

   .....

   .....

4. Annet was coming from the shop after having bought a kilogram of sugar. The sugar accidentally poured on the floor and got mixed with steel filings. Give an advice to Annet on how to recover the sugar.

   .....

   .....

5. Give any **one** way how roots benefit a flowering plant.

   .....

   .....

6. Identify **one** way how essential drugs promote the health of people in communities

   .....

   .....

7. Name the body organ that is greatly damaged by hepatitis B.

   .....

The diagram below shows a change in state of matter. Use it to answer the questions **8** and **9**.



Deposition

8. What is the state of matter at **Q**?

.....

9. State any one effect of heat on the state of matter marked with letter **R**.

.....

10. Identify **one** way a p.3 child can tell that cockroach is an insect by looking at its body structure.

.....

11. Bacteria are one of the decomposers in a food chain. Mention the role bacteria in a food chain.

.....

.....

12. State **one** reason why wind pollinated flowers produce a lot of pollen grains.

.....

13. Mention any **one** characteristic of the chemical substances that speed up the rate of chemical digestion.

.....

14. Write down the scientific name given to the material that is placed in the foundation of a building to prevent water from seeping through the walls.

.....

15. Identify **one** essential mineral salt promotes the proper growth of Bones and teeth in the human body.

.....

16. A veterinary doctor used a syringe to deposit semen in a vulva of goat. State **one** advantage of the above practice in goat farming.

.....

17. Mention any **one** primary sex characteristic in adolescent boys.

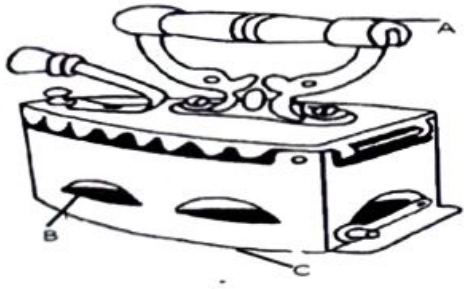
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18. Give a reason why farmers prefer rearing cross breeds to exotic breeds of animals.

.....

.....

The diagram below shows an item used in homes, Study it and answer questions that follow.



19. Give a reason why part **C** is made of iron.

.....

20. Give the importance of the above tool in a home.

.....

21. Mention **one** way how scrap metals can be reused in homes to reduce their danger in the environment.

.....

.....

22. Give any **one** way the use of biogas for cooking increases the amount of rain formation in an area.

.....

.....

23. State the best way an adolescent girl can avoid getting teenage pregnancy.

.....

24. Mention any **one** way how the skin regulates temperature on hot days.

.....

25. Give the functional similarity between the hooks and suckers on the body of a tapeworm.

.....

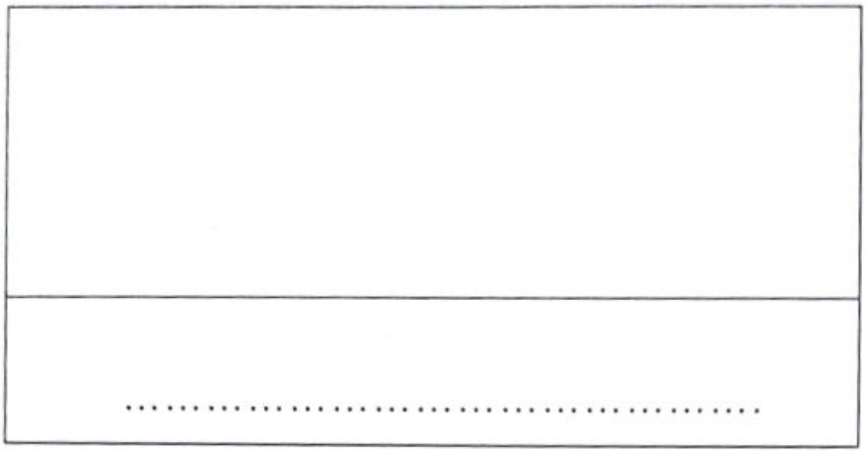
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26. Identify **one** way of controlling diseases spread through drinking contaminated water.

.....

.....

27. In the space below draw and name one garden tool used for digging hard or rocky ground.



.....

28. A leaf and a fruit both dropped from a mango tree, the fruit reached the ground faster than the leaf. Explain why it was like that.

.....

.....

29. The driver stepped on the new brakes to stop the vehicle on a slippery road but it failed. State what caused the failure of the vehicle to stop.

.....

.....

30. Mention one way how the good behavior of the teachers and parents help to reduce anti-social behaviours among children.

.....

.....

31. State one use of warmth during seed germination.

.....

32. State what happens to the air around an industry if trees are planted near it and industrial fumes are not treated.

.....

.....

33. Explain how regular physical exercises carried out by learners during games time promote the proper working of body systems and organs.

.....

.....

34. Opeto was given a contract to supply eggs and meat to Kyampisi PrimarySchool, identify the type of chicken he should rear on his farm.

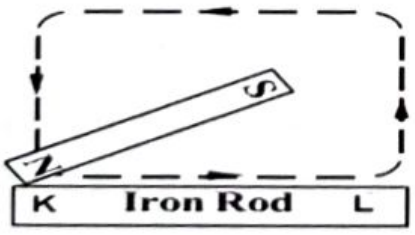
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35. Mention **one** way how photosynthesis supports respiration in animals.

.....

.....

The diagram below shows a method of making a temporary magnet. Study and use it to answer questions **36** and **37.**



36.Name the method of magnetization shown above.

.....

37. State what pole **K** will become after magnetization.

.....

38. The recent Ebola disease outbreak in Uganda caused some fear among school children and parents. Identify one sign of Ebola.

.....

39. State any **one** danger of uncontrolled bush burning in the environment.

.....

40. Mention one importance of a weather chart to pupils in a school.

.....

.....

SECTION B:

41..(a) Write the meaning of each of the following terms;

(i)Personal hygiene.

.....

.....

(ii)Sanitation

.....

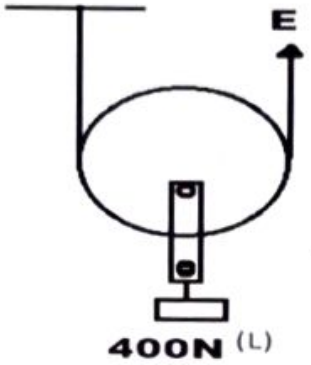
.....

(b) Explain how a bushy compound in a home negatively affects the health of people in that home. (**2marks**)

.....

.....

42. The diagram below shows a type of pulley. Study it carefully and answer the questions that follow.



(a) Name the type of pulley system shown above.

.....

(b) Give one advantage of using the above type of pulley system.

.....

(c) Find the effort needed to raise the load in the above pulley.

(2marks)

.....

43(a) Identify the system that transports materials in the human body.

.....

(b) Mention the role of each of the following blood components in the body.

(i) Red blood cells

.....

(ii) Platelets

.....

(c) State any **one** structural difference between a vein and an artery.

.....

.....

44 Mr. Okafor plans to open up a ranch farm in Namutumba village.

(a) Name the type of cattle you would recommend Mr. Okafor to rear on his farm.

.....

(b) Identify any **one** characteristic of the type of cattle that is kept for ranch farming.

.....

(c) Write down any **one** example of the type of cattle to be kept on a ranch farm.

.....

(d) Mention any **one** way how people benefit from the ranch farm.

.....

45. The table below shows classification of animals. Use it and answer questions that follow.

Group W	**Group X**	**Group Y**	**Group Z**
Duck	Frog	Cobra	Goat
Pelican	Newt	Tortoise	Porcupine
Eagle	Toad	Crocodile	Zebra

(a) Name the class of cold-blooded vertebrate represented by Group **X**.

.....

(b)State one similarity between animals in group **W** and group **Z**.

.....

.....

(c) Identify the type of fertilization common to animals in group **Y**.

.....

(d)Write down **one** characteristic common to animals in all the groups.

.....

.....

46.Primary five pupils carried out a practical crop field practice where they used dry grass to cover bare soil in tomato plants in the school garden.

(a) Name the term used to describe the practice carried out by the pupils.

.....

(b)Mention any **two** reasons why the pupils carried out the above in the school garden.

(i) .....

(ii) .....

(b) Identify any one danger that can result from the practice carried out by the pupils.

.....

.....

47. Drug abuse is the use of a drug in a way that is harmful to the body.

(a) Mention any **one** way how drug abuse affects each of the following.

(i) Family:

.....

(ii) Community:

.....

(b) Explain how drug abuse can lead to accidents in our daily life.

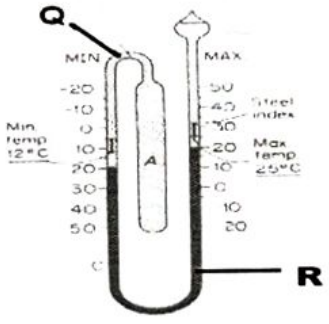
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.....

(c)Write down **one** life skills the enables adolescents to overcome temptations of drug abuse.

.....

48. The diagram below shows a type of thermometer. Study it and answer questions that follow.



(a) Name the thermometer shown above.

.....

(b. State the use of the above thermometer at a weather station.

.....

(c) Identify one advantage of using the thermometric liquid marked with letter **R**.

.....

(c) Mention **one** way how a magnet is useful to a person using the above thermometer.

.....

49.(a) Write the meaning of the term soil erosion.

.....

.....

(b)Give any two bad farming practices that can lead to soil erosion.

(i).....

(ii).....

(b) State the reason why it is not advisable to control soil erosion on hilly areas by mulching.

.....

.....

50. First aid is the immediate help given to a casualty.

(a) Write the reason why the fainted victim is laid at their back and legs raised above the head as a way of giving first aid.

.....

.....

(b) Identify the first aid administered for each of the following.

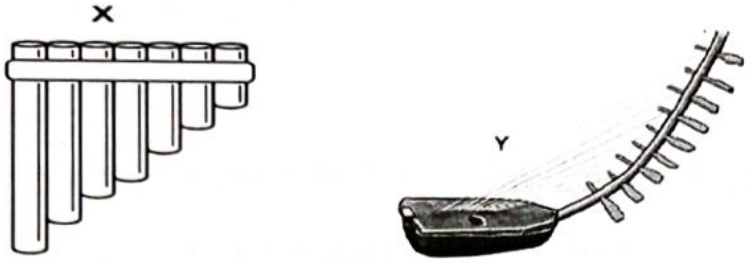
(i) Fractures: .....

(ii)Fever:.....

(c) State **one** way a first aider uses cotton wool when administering first aid to casualties.

.....

51. **The diagram below shows musical instruments. Use them to answer questions that follow**.



(a) Name the musical instrument marked with letter **X**

.....

(b) Mention the way how the musical instrument marked **Y** produces sound.

.....

.....

(c)State any **one** of caring for the above musical instruments.

.....

.....

(d)Identify the group of musical instruments to which instrument X belongs.

.....

52. The national population and housing census conducted in 2024 in Uganda found out that people in Buwali village did not have latrines in their homes.

(a)Identify any **two** diseases likely to affect people in the above village.

(i).....

(ii) .....

(b)Write down the health concern resulting from the situation in Buwali village.

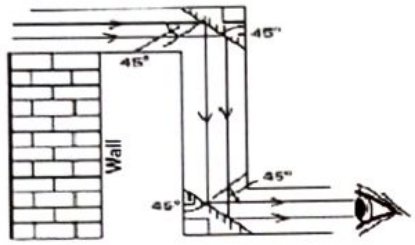
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(c) State **one** way that can be used to address the health concern in the above village.

.....

.....

53. Study the diagram below shows an optical instrument. Use it to answer the questions that follow.



a) Name the optical instrument shown above.

.....

b) Give a reason why the above optical instrument does not form laterally inverted images yet is uses plane mirrors.

.....

.....

c) State any **one** way how the above instrument is helpful to soldiers.

.....

(d)Identify any one principle of light on which the above instrument works.

.....

54. A p.7 child was provided with the following items at home.

Eight fingers of bananas, **salt**, **knife**, **saucepan**, **water**, a **lit charcoal stove** and **pounded groundnuts**.

a) Identify any **two** first steps involved in preparing a meal of bananas with pasted groundnuts.

(i).....

(ii).....

b) Give any **one** reason why salt should be added to the meal during preparation.

.....

.....

(c)State any **one** reason why we cook food.

.....

55. **Write the correct functions of the parts of an electric circuit.**

A	B
(i)Switch	Measures electric current.
(ii) Ammeter	Breaks the circuit in case of high current.
(iii)Fuse	Measure electric pressure.
(iv) Voltmeter	Completes or breaks the electric circuit.

(i) Switch: .....

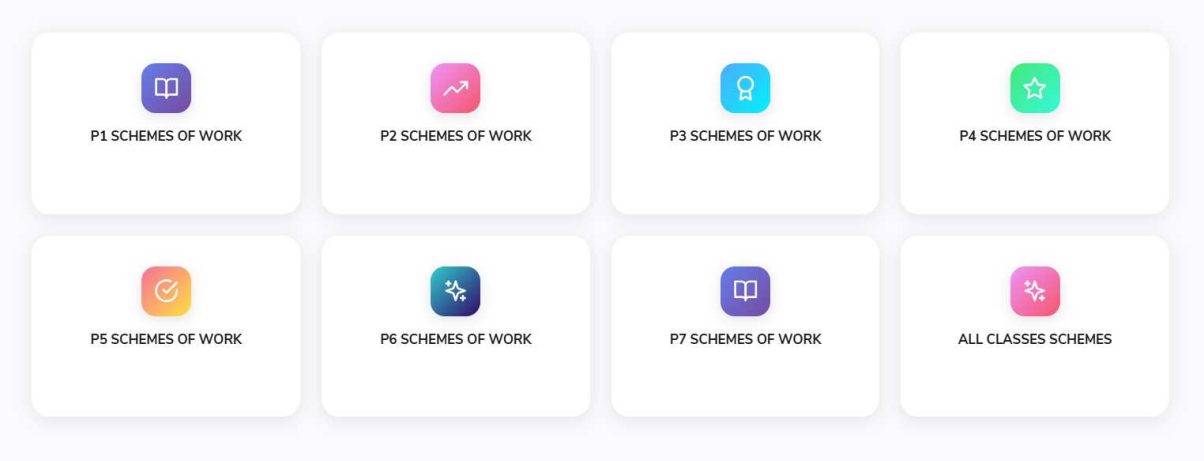
(ii) Ammeter: .....

(iii) Fuse: .....

(iv) Voltmeter: .....

END

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