



PURSUIT OF EXCELLENCE EXAMINATIONS BOARD

PRIMARY SIX END OF TERM III EXAMINATION

2023

INTEGRATED SCIENCE

**Time Allowed: 2 hours 15 minutes**

**Pupil's Name** .....

**School Name** ..... **Stream** .....

**District name** .....

**Read the following instructions carefully:**

1. Write your **school** or **district name** on the spaces provided above.
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** answers to both Sections **A** and **B** must be written in the spaces provided.
4. **All** answer 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 o loss of marks.
6. Do not fill anything in the table:  
**"FOR EXAMINERS" use only** and the boxes  
Inside the question paper.

**FOR EXAMINER'S  
USE ONLY**

Qn. No	MARKS	EXR'S No.
1 - 10		
10 - 20		
20 - 30		
30 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

## SECTION A: 40 MARKS

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

1. Name any **one** domestic animal that provides milk to people.

.....

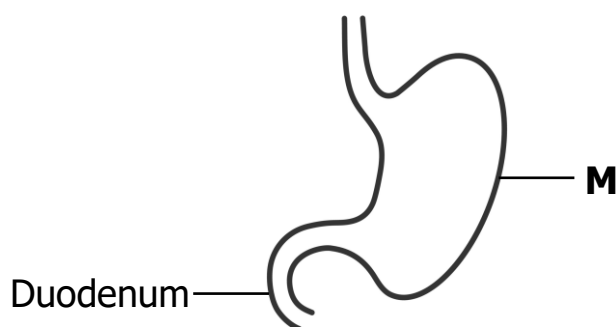
2. State any **one** way of preparing safe water for drinking.

.....

3. Which group of mammals move by flying in the environment?

.....

The diagram below shows parts of the alimentary canal. Study and use it carefully to answer questions **4** and **5**.



4. Name the part of the alimentary canal marked with letter **M**.

.....

5. To which body system does the above drawn diagram belong?

.....

6. State the best method a school going pupil can prevent him or herself from HIV/AIDS

.....

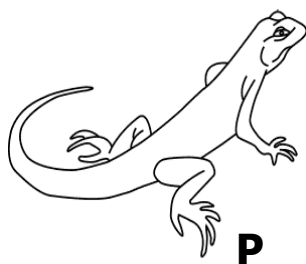
7. Give any **one** example of a living resource in the environment.

.....

8. Name the part of **VIP** latrine that carries out stale air from the pit.

.....

The diagram below is of some animals. Study and use it carefully to answer questions **9** and **10**.



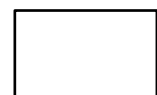
9. To which group of vertebrates does the animal marked **P** belong?

.....

10. In which way is the reproduction of animal marked **P** similar to the one of **Q**?

.....

.....



11. Point out the element of weather that causes flooding in an area.

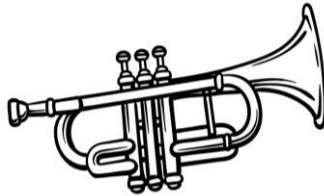
.....

12. Name the human body organ that filters blood in the body.

.....

13. Give any **one** noninfectious disease of the respiratory system.  
.....
14. State any **one** way conserving nonrenewable resources in the environment.  
.....
15. Give any **one** advantage of crop rotation method of farming.  
.....
16. State any **one** activity a P.6 pupil can do to control spread of malaria.  
.....
17. In which way does soaking of clothes ease washing during cleaning?  
.....
18. State any **one** way in which conduction of heat is applied in daily life.  
.....
19. Name the condition in which the victim's body temperature rises beyond normal.  
.....
20. Give any **one** example of drugs of dependency.  
.....
- 
21. In which way are plants important in the environment?  
.....

The diagram below shows certain musical instrument. Study and use it carefully to answer questions **22** and **23**.



22. Identify the musical instrument drawn above.

.....

23. To which group of musical instruments does the named instrument in (**22**) above belong?

.....

24. Name the main source of energy that provides light in the environment.

.....

25. Give the reason why poultry farmers carry out debeaking.

.....

26. Name the type of fertilisation that takes place in amphibians.

.....

27. Which element of Primary Health Care (PHC) is promoted when a person washes hands with soap after visiting toilet?

.....

28. State any **one** way in which water is used as a resource in a home.

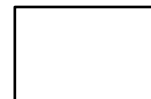
.....

29. Name the type of chicken that poultry farmers keep in order to obtain two main products.

.....

30. Give any **one** example of a poisonous snake.

.....



31. What term refers to the introduction of vaccines to the body to cause immunity?

.....

32. What type of change takes place when wood is burnt into ash?

.....

33. Which part a flowering plant attracts insect pollinators?

.....

34. Name any **one** instrument used for measuring the volume of an irregular object.

.....

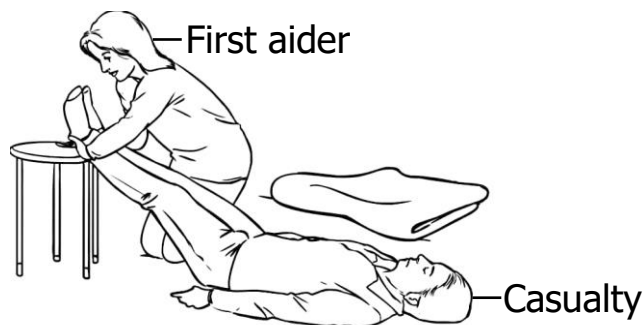
35. Give any **one** advantage of using natural manure over artificial manure in the soil.

.....

36. In which way is the breathing of a fish different from the breathing of an insect?

.....

The diagram below shows a first aider giving first aid to a casualty who got certain form of accident. Study and use it carefully to answer questions **37** and **38**.



37. Name the form of accident that requires the shown first aid above.

.....

38. State the reason why the first aider raised the casualty's legs higher than the head as shown above.

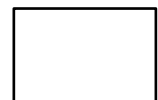
.....

39. What is the method of seed dispersal of plants whose seeds are stored in pods?

.....

40. Name any **one** exotic breed of rabbit kept in Uganda.

.....

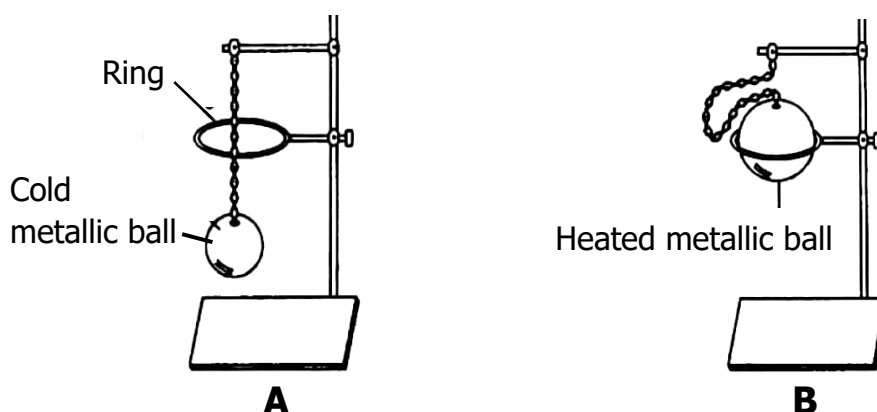


## SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

41. (a) Name any **two** types of cattle kept by farmers in Uganda.
- (i).....
- (ii).....
- (b) Give any **two** reasons why people rear cattle.
- (i) .....
- (ii) .....

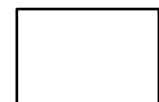
The diagram below shows an experiment about heat on matter. Use it to answer the questions that follow.



42. (a) What does the above experiment prove about heat on matter?
- .....
- (b) State the reason why the metallic ball fails to pass through the ring in **B**.
- .....
- (c) State any **two** effect of heat gain on matter.
- (i) .....
- (ii) .....



43. (a) Name the component of blood that;
- (i) Defends the body against diseases  
.....
- (ii) Transports oxygen in the body  
.....
- (b) Name any **one** disease that attacks the circulatory system.  
.....
- (c) State **one** way in which a person can care for his/her circulatory system.  
.....

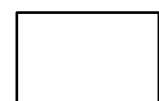


44. (a) Name any **two** dairy breeds of goats kept in Uganda.
- (i) .....
- (ii) .....
- (b) State any **two** reasons why some farmers prefer keeping goats to keeping cattle on a farm.
- (i) .....
- (ii) .....

The table below shows group of birds. Study and use it to answer the questions that follow.

<b>GROUP: A</b>	<b>GROUP: B</b>	<b>GROUP: C</b>
Duck Swan Pelican	Ostrich Weka Kiwi	Eagle Falcon Hawk

45. (a) Mention the group of birds that belong to;
- (i) Group **A** .....
- (ii) Group **B** .....
- (b) Give any **one** adaptation of birds in group **C** to their mode of feeding.
- .....
- (c) State any **one** characteristic to all kinds of birds.
- (i).....
46. (a) Give any **two** examples of activities that promote good personal hygiene.
- (i).....
- (ii).....
- (b) State any **two** importance of performing personal hygiene.
- (i).....
- (ii).....



47. (a) Give any **one** example of the following;

(i) Solute

.....  
.....

(ii) Solvent

.....  
.....

(b) Which method of separating mixtures requires use of wind?

.....

(c) Give any **one** way in which the named method in **47 (b)** above is applied in daily life.

.....

48. (a) Give any **two** secondary sex changes that occur in both adolescent boys and girls.

(i) .....

(ii) .....

(b) Name the part of the female reproductive system where the following processes take place.

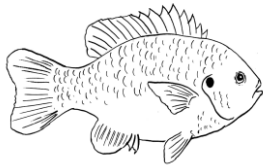
(i) Implantation

.....

(ii) Fertilisation

.....

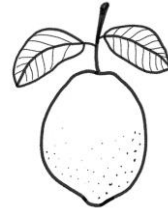
The diagrams below show different food stuffs. Study and use them to answer the questions that follow.



**A**



**B**



**C**

49. (a) Which class of food does a person get when he/she eats;

(i) Food stuff **A**?

.....

(ii) Food stuff **C**

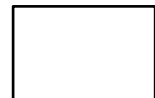
.....

(b) Which letter represents the food stuff that provides energy to the body when eaten?

.....

(c) State any **one** reason why people eat food.

(i).....



50. (a) Give any **two** causes of soil erosion in the environment.

(i).....

(ii).....

(b) State any **one** way in which soil erosion can be controlled;

(i) In a hilly area

.....

(ii) In a school compound

.....

51. (a) What term refers to transfer of pollen grains from the anther to the stigma of a flower on a plant?  
.....
- (b) State any **two** characteristics of insect pollinated flowers.  
(i) .....  
(ii) .....
- (c) Mention any **one** bird that pollinates flowers of crops in the environment.  
.....
52. (a) Mention any **two** groups of people whose health can easily be harmed and need special care.  
(i).....  
(ii).....
- (b) State any **one** way of caring for the above named groups of people in **52 (a)** above.  
.....
- (c) Give any **one** service offered to pregnant women during antenatal care in clinics.  
.....



53. Use the table below to fill in the blank spaces provided.

Disease	Vector
.....	Female anopheles mosquito
River blindness	.....
.....	Rat flea
Sleeping sickness	.....

54. (a) Name any **one** scale used for measuring temperature.

.....

(b) Which instrument is used for measuring temperature?

.....

(c) Convert **40** °C (degrees Celsius) to °F (degrees Fahrenheit)  
(02 marks)

55. (a) Use the table below to match the food with the way in which it is preserved.

FOOD	WAY OF PRESERVATION
Meat	Sundrying
Cassava	Refrigeration
Milk	Smoking

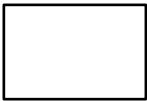
(i) Meat .....

(ii) Cassava .....

(iii) Milk .....

(b) State any **one** reason why people preserve food.

.....



**END**