

# RUKUNGIRI DISTRICT PRIMARY SCHOOLS' EXAMINATION PANEL

**P.L.E MOCK 2023.**

## **INTEGRATED SCIENCE**

Time Allowed: 2 Hours 15 Minutes.

Index No

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Candidate's Name .....

Candidate's Signature .....

School Name: .....

**Read the instructions very carefully.**

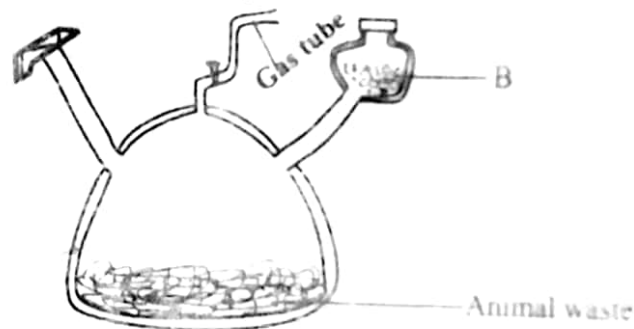
1. This paper is made up of **two** Sections; **A** and **B**.
2. Answer **all** questions. All answers to both sections must be written in the spaces provided.
3. All answers must be written using a blue/black pen or in ink.
4. Unnecessary crossing out of answers will lead to loss of marks.
5. Any illegible handwriting may lead to loss of marks.
6. Do not fill anything in the boxes shown;  
"Examiners' use only."

FOR EXAMINERS USE ONLY		
QN. No.	Marks	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 strong tissue that attaches muscles to bones.  
.....
2. How do we call the modified roots which store food for the plants?  
.....
3. Identify the type of immunity one acquires after recovering from an illness.  
.....
4. Mention any one milk product.  
.....
5. Name any one gas that prevents evaporation of tungsten in an electric bulb.  
.....
6. Why do people keep animals at homes?  
.....
7. What is "conception" as used in human reproductive system?  
.....

Use the diagram below to answer questions 8 and 9.



8. What name is given to the air tight container shown in the diagram above?  
.....
9. How useful are materials collected in part B.  
.....
10. Identify any one activity done by farmers in preparation for the rainy season.  
.....
11. Mention any one example of anti social behaviours.  
.....

12. State any one measure taken against drowning.  
.....

Use the diagram below to answer questions 13 and 14.



13. Name the type of lens shown in the diagram above.  
.....

14. Identify any one optical instrument in which lenses are used.

15. How do we call the bacteria which need oxygen to respire?

16. Give any one way the alveoli are adapted to their function of gaseous exchange.

17. Why is a rain gauge marked in millimeters?

18. State the function of the cortex as a part of the kidney.

19. Which food value do cereal crops contain in large amounts?

20. How can the quality of local breads of chicken be improved?

21. State any one function of the unpleasant smelly jelly that covers eggs laid by amphibians.

22. Mention the type of friction that occurs in liquids and gases.

23. Which body organ stores urine before it is passed out?

24. Name the process by which sugar is converted into ethanol.

25. A P.7 pupil was tasked to find the volume of a stone. State the method he/she used.

26. What are vectors?

27. Why are fungi and bacteria called decomposers in a food chain?

28. Mention the term used to mean the act of giving birth in a sow.

Use the diagram below to answer the question number 29.



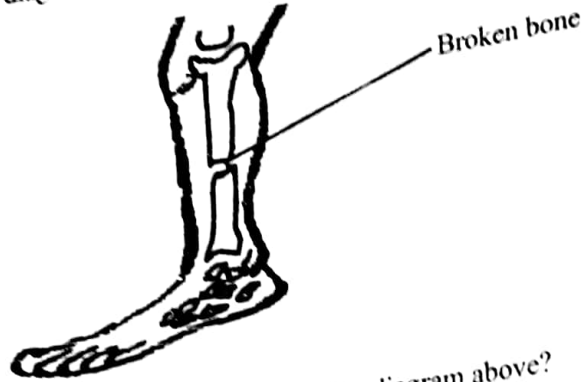
29. State the importance of the thread shown in the diagram above.

30. In which part of the human digestive system does bile mix with the pancreatic juice?

31. Briefly explain the term conservation.

32. Which type of cattle can one keep for milk and milk products?

Study the diagram below and use it to answer questions 33.



33. Which type of fracture is illustrated in the diagram above?

34. Name any one type of soil.

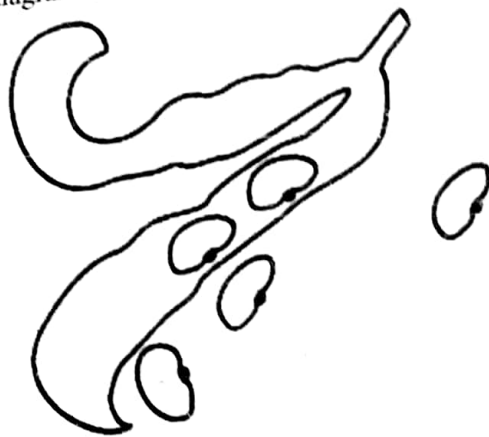
35. The government encourages every homestead to have a latrine. Give the major reason for this.

36. State the function of ossicles in the middle ear.

37. Which disease of the circulatory system results from damage of white blood cells?

38. Name the magnetic ore which occurs naturally on the earth.

39. The diagram below shows a mechanism of seed dispersal. Name it.



40. Tom's electric cell was stolen when he was recharging it. What type of electric cells was Tom's cell.



## SECTION B

41. (a) Write VIP in full as used in sanitation.

(b) Mention the importance of the following parts on the VIP latrine.

(i) screen

(ii) vent pipe

(c) Why should a latrine/toilet be kept clean?

42. (a) Name any two layers of the human skin.

(i)

(ii)

(b) State any two functions of the skin.

(i)

(ii)

43. Use the list of animals below to answer questions that follow.

Cobra, penguin, bat, grass hopper

(a) Which animal in the list above

(i) Produces young ones alive

(ii) Undergoes a life of three stages.

(iii) Is a cold blooded vertebrate.

(b) Mention any one bird with similar characteristics as a penguin.

44. (a) Why should we keep left over foods covered?

(b) Write down any two diseases spread by houseflies.

(i)

(ii)

(c) Why are male anopheles mosquitoes unable to spread malaria?

Integrated Science 5



49. (a) In which class of levers is a machine where the effort is between the fulcrum and load.

(b) Name any two machines found in the above class of levers.

(i) .....

(ii) .....

(c) Apart from levers mention any one type of simple machines.

50. (a) Match essential drugs in list A with their uses in list B.

List A

List B

Anti retro virals

Boost immunity

Contraceptives

Cure diseases

Vaccines

Prevents pregnancy

Curatives

Relieve viral infections

(i) Anti retro viral .....

(ii) Contraceptives .....

(iii) Vaccines .....

(iv) Curatives .....

51. (a) State any two main functions of the skeleton

(i) .....

(ii) .....

(b) Define the term posture.

(c) What happens to triceps muscle when the arm is raised?

52. (a) Write down any two PIASCY messages that you would give to your class mates.

(i) .....

(ii) .....

(b) State the main mode of spread of HIV/AIDS.

(c) Write down one fluid in the body where HIV germs can be found.

(i) .....

53. Name any two examples of

(a) String musical instruments

(i) .....

(ii) .....

(b) Percussion instruments.

- (i) .....
- (ii) .....

54. (a) Which process of heat transfer helps one to iron clothes using a flat iron.

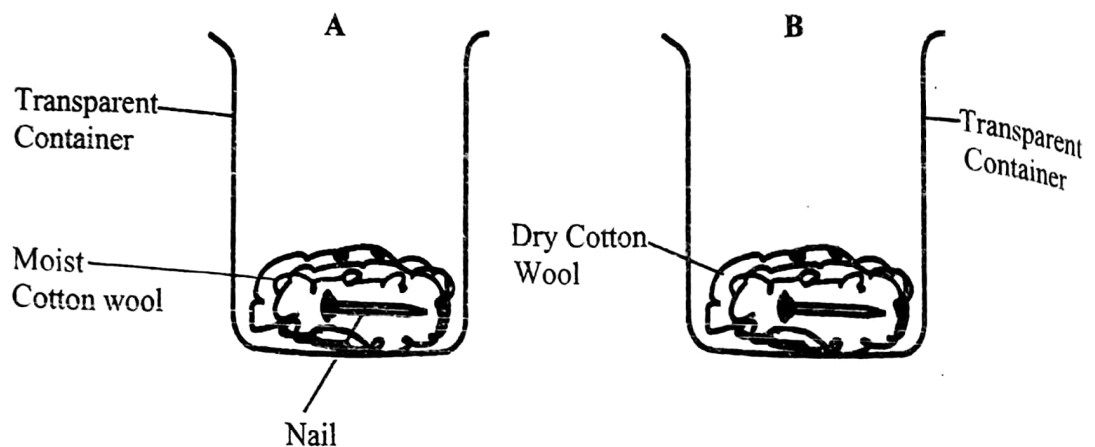
(b) Name two liquids commonly used in thermometers.

- (i) .....
- (ii) .....

(c) Identify any one scale of thermometers.

55. (a) How is a biological change different from a physical change?

(b) Below is an experiment to show one of the changes in the environment. Use it to answer the questions that follow.



(b) Name the change that is being investigated in the experiment above.

(c) Point out the conditions that can lead to the occurrence of the above change.

- (i) .....
- (ii) .....

**END**