



# BULIISA DISTRICT ACADEMIC BOARD

## PRIMARY LEAVING MOCK EXAMINATION, 2023

### PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random Number	Personal Number

Candidate's Name: .....

Candidate's Signature: .....

School: .....

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**

Read the following instructions carefully:

1. This paper is made up of two Sections: A and B.
2. Section A, has 40 short-answer questions (40 marks).
3. Section B has 15 questions (60 marks).
4. Answer ALL questions. All answers to both Sections A and B MUST be written in the spaces provided.
5. All answers MUST be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the box indicated "For examiners' use only" and those inside the question paper.

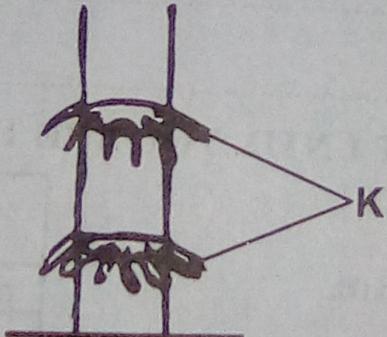
FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

**SECTION A: (40 Marks)**

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

1. Name the body organ that pumps blood in the body.
2. State the difference between air and wind.
3. Give one way of controlling diseases without using medicines.
4. Write WASH in full.
5. Which method is used to separate a mixture of beans and stones?
6. Why is the filament of an electric bulb coiled?
7. Name the garden tool used for harvesting rice.
8. Which type of immunity is got through breast feeding?

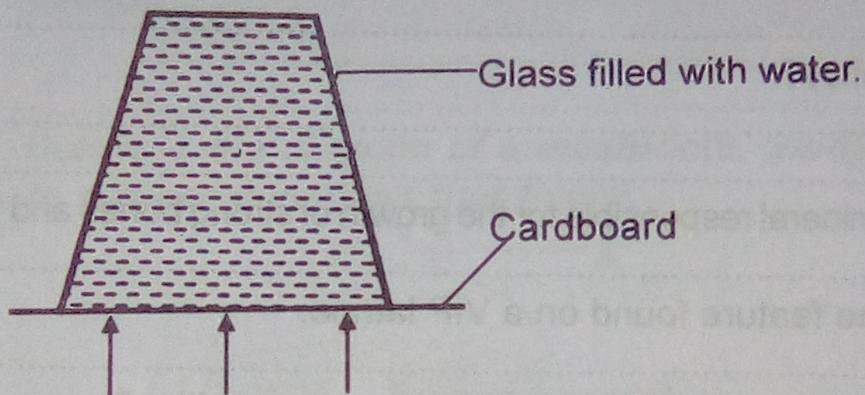
Study the diagram below and use it to answer questions 9 and 10.



9. Name the structures marked with letter K.
10. State the function of structures K to a maize plant.
11. Identify the vaccine administered to females of 15-49 years of age.
12. Mention any one example of an opaque object.
13. Give a reason why an earthworm comes out of the soil after it has rained.
14. Why is a P.7 candidate advised to abstain from sex?
15. How do we call a castrated male chicken?

16. What are weeds?
17. Name any one physical process involved in the rain cycle.
18. State any one danger of a dog at home.
19. How is humus formed?
20. Suggest one reason why we give first aid to casualties.
21. In which way do machines simplify work?

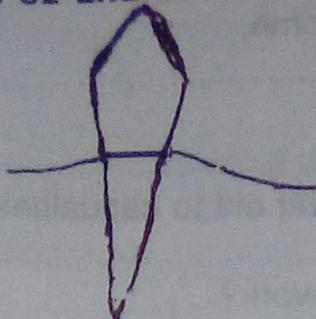
*The diagram below shows a property of matter. Use it to answer question 22 and 23.*



22. Identify the property of matter shown above.
23. Apart from the above property, state one other property of matter.
24. Where does growth occur in plants?
25. Why are rabbit hutches raised above the ground?
26. Name any one vulnerable group of people.
27. How does a chameleon protect itself from enemies?
28. Why do farmers in hilly areas practice terracing?
29. Give one advantage of using solar electricity.
30. What general name is given to the three small bones found in the middle ear?

31. Identify any **one** example of an animal fibre.

*Below is the structure of a human tooth. Use it to answer questions 32 and 33.*



32. Identify the type of tooth drawn above.
33. How is the above tooth adapted to its function of tearing food?
34. What is an alloy?
35. Mention the mineral responsible for the growth of strong bones and teeth.
36. State any **one** feature found on a VIP latrine.
37. How can COVID-19 be prevented in our communities?
38. Why are handles of an iron box made of wood?
39. Name the insect that pollinates flowers at night.
40. State the reason why poultry farmers keep broilers.

### **SECTION B (60 Marks)**

**Questions 41 - 55, carry four marks each.**

41. (a) Give the meaning of the term "dehydration".
- (b) Mention any **two** signs and symptoms of dehydration.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) What piece of advice could you give to a mother whose child is dehydrated?

42. (a) Name the type of soil used for making statues.

(b) State any one property of sand soil.

(c) Give any two reasons why loam soil is the best for crop growing.

(i) .....

(ii) .....

43. (a) Who is an apiarist?

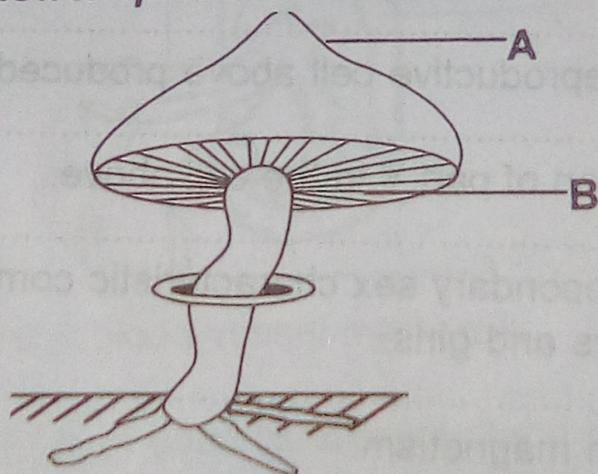
(b) What name is given to a place where a large number of bee hives are kept?

(c) Suggest any two ways how a bee farmer can prevent swarming of bees.

(i) .....

(ii) .....

44. *Below is the diagram of a mushroom. Study and use it to answer questions that follow.*



(a) To which kingdom does the mushroom belong?

(b) Name the part of the mushroom marked A.

(c) State the function of part marked B.

(d) Why is a mushroom unable to make food?

45. (a) What is meant by the term environment?

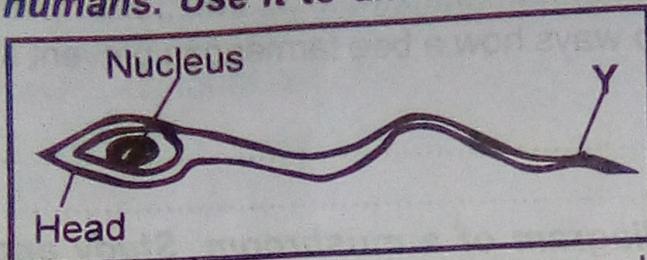
(b) Name the invisible component of the environment.

46.

(c) Give two ways in which animals depend on plants in the environment.  
(i) ....  
(ii) ....

(a) Give any two reasons why people smoke tobacco.  
(i) ....  
(ii) ....

(b) Name the dangerous gas found in tobacco smoke.  
(c) Why is it very difficult for a person to stop the habit of smoking?



47. The diagram below shows a male reproductive cell in humans. Use it to answer questions that follow.

- (a) Name the reproductive cell shown above.

(b) Where is the reproductive cell above produced?

(c) State the function of part Y to the cell above.

(d) Mention one secondary sex characteristic common in both adolescent boys and girls.

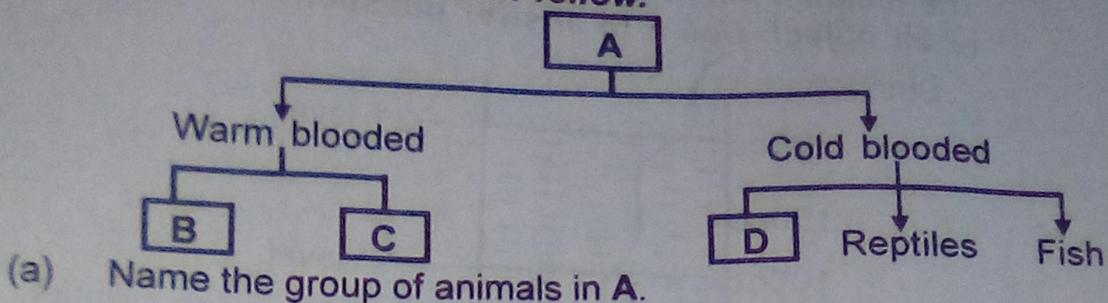
48. (a) Define the term magnetism.

- (b) How are magnets useful to the following;  
(i) Pilots .....  
(ii) Doctors .....  
(c) Why is a piece of wood said to be a non-magnetic material?

49. (a) Why are the following types of cattle kept by farmers?  
(i) dairy cattle .....  
(ii) beef cattle .....  
(b) Give two reasons why most farmers prefer rearing local breeds of cattle to exotic breeds.  
(i) .....  
(ii) .....

50.

*Below is the classification chart of animals. Use it to answer questions that follow.*



- (a) Name the group of animals in A.

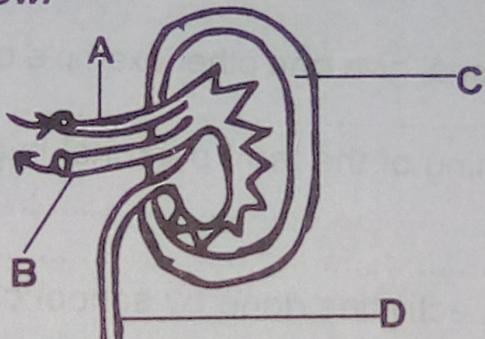
(b) Which characteristic is common to all the animals on the chart?

(c) State the similarity between animals in B and C.

(d) Mention one example of animals which belong to group D.

51.

**Below is the structure of a kidney. Use it to answer questions that follow.**



- (a) Name the blood vessel marked A.

(b) In which part does filtration of blood take place?

(c) Where does part D lead urine to?

(d) Why do people tend to urinate a lot on cold days?

52. (a) What is a woodlot?

- (b) Mention any two products got from a woodlot.

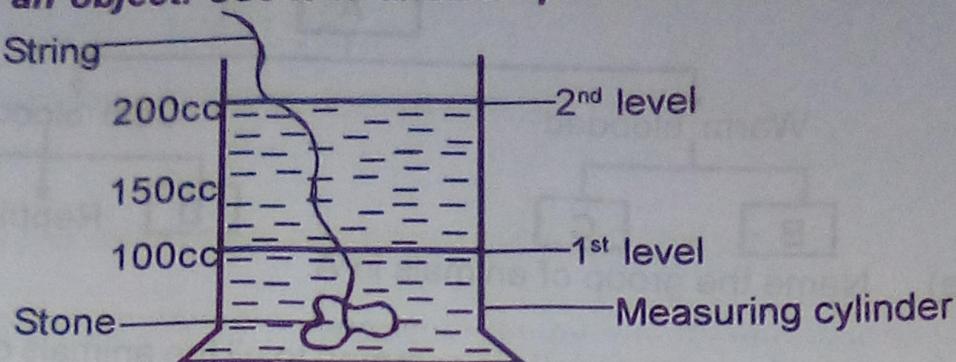
(i) .....

(ii) .....

(c) Suggest one importance of setting up a tree growing project at school.

53.

The diagram below shows a method of finding the volume of an object. Use it to answer questions that follow.



(a) Identify the method of finding the volume of the stone above.

(b) Workout the volume of the stone. (2marks)

(c) Apart from a stone, give one other example of an irregular object.

54. (a) Give the meaning of the term personal hygiene.

(b) List down two activities done by school children to promote good sanitation.

- (i) ....
- (ii) ....
- (c) Why should a P.7 candidate wash his / her hands after visiting a latrine?

55.

Match each component of blood in A to its function in B.

List A

- (i) Red blood cells  
(ii) White blood cells  
(iii) Blood plasma  
(iv) Blood platelets

List B

- To fight disease causing germs.  
To transport digested food.  
To stop bleeding by clotting the blood.  
To transport oxygen in the body.

- (i) Red blood cells .....  
(ii) White blood cells .....  
(iii) Blood plasma .....  
(iv) Blood platelets .....