



THE REPUBLIC OF UGANDA

HOIMA DISTRICT ACADEMIC BOARD

PRIMARY LEAVING MOCK EXAMINATION, 2022

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random Number					Personal Number		

Candidate's Name:

Candidate's Signature.....

School's Name

District ID:

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		

© HDAB

Turn Over

SECTION A: (40 Marks)

Questions 1 to 40 carry one mark each.

1. Name **one** poultry bird.

2. Give **one** function of feelers to an insect.

3. Name the disease which attacks both poultry and rabbits.

4. Why are mushrooms not regarded as plants?

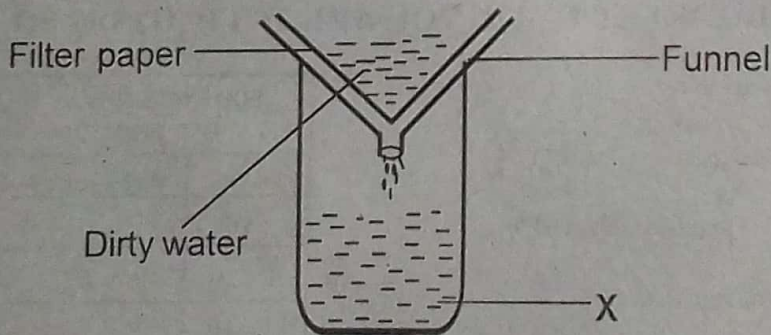
5. Name the main food you should eat to prevent marasmus.

6. Name **one** type of honey bee.

7. Which part of blood is attacked by HIV?

8. How does bacteria reproduce?

The diagram below shows one method of getting clean water from dirty water.



9. Name the method shown above.

10. Which scientific name is given to the clean water marked X?

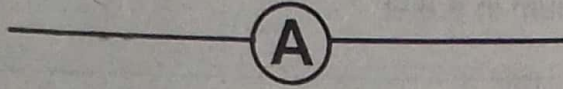
11. In which way is a skull bone useful to the human body?

12. Name any **one** process involved in rain formation.

13. What general name is given to animals with back bones?

14. Give any **one** type of cattle.

The diagram below shows an electric symbol. Use it to answer questions 15 and 16.



15. Name the electric symbol shown above.

16. What is the function of the above component in an electric circuit?

17. Name the insect vector that breeds in the fast flowing water.

18. Name the biggest artery in the body.

19. Name any **one** example of a chemical change.

20. What fluid lubricates the joints to prevent friction?



21. State any **one** condition that can cause a person to breath very fast.

22. Identify a disease that can be prevented by smoking latrines.

23. Name the type of soil used to make glasses.

24. How many teeth make up the milk teeth in humans?

25. Where does fertilization take place in plants?

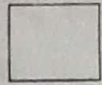
26. State **one** method used to make dirty water clean for washing.

27. Name the substance that can exist in all the three states.

28. Identify part of air used in fire extinguishers.

29. Give the state of matter where heat is transferred by convection.

30. What happens to the lungs when we breath in?



31. State the importance of calcium in a diet.

32. Mention **one** pest that attacks tuber crops.

33. Write ECOSAN in full.

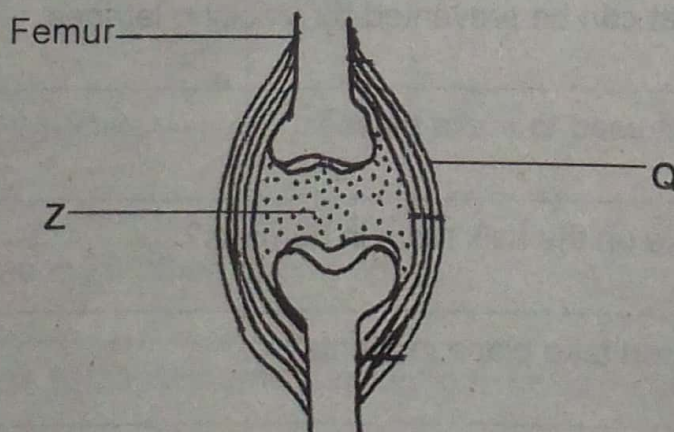
34. Which element of primary health care teaches people about dangers of diseases?

35. How can one separate rice from iron fillings?

36. Give **one** example of harmful fungi in the environment.

37. How does a clay charcoal stove help to conserve trees?

The diagram below shows a hinge joint. Use it to answer questions 38 and 39.



38. Name the structure marked with letter Q.

39. How useful is the fluid labelled Z to a joint above?

40. State **one** reason why farmers mulch their gardens.

SECTION B (60 Marks)

Questions 41 - 55, carry four marks each.

41. (a) What is pollination?

(b) Give any **two** agents of pollination.

(i)

(ii)

(c) Which part of a flowering plant absorbs water and mineral salts from the soil?

42. (a) Name the organs of respiration of the following organisms.

(i) Spiders

(ii) Earthworms

(b) Write any **two** diseases of the respiratory system in human beings.

(i)

(ii)

43. (a) Differentiate between a burn and a scald.

(b) Give any **two** common accidents at home.

(i)

(ii)

(c) Of what importance is a stretcher to a first aider?

44. (a) Give any **two** deficiency diseases.

(i)

(ii)

(b) Mention any **one** type of a deficiency disease.

(c) What is a deficiency disease?

45. (a) What is dehydration?

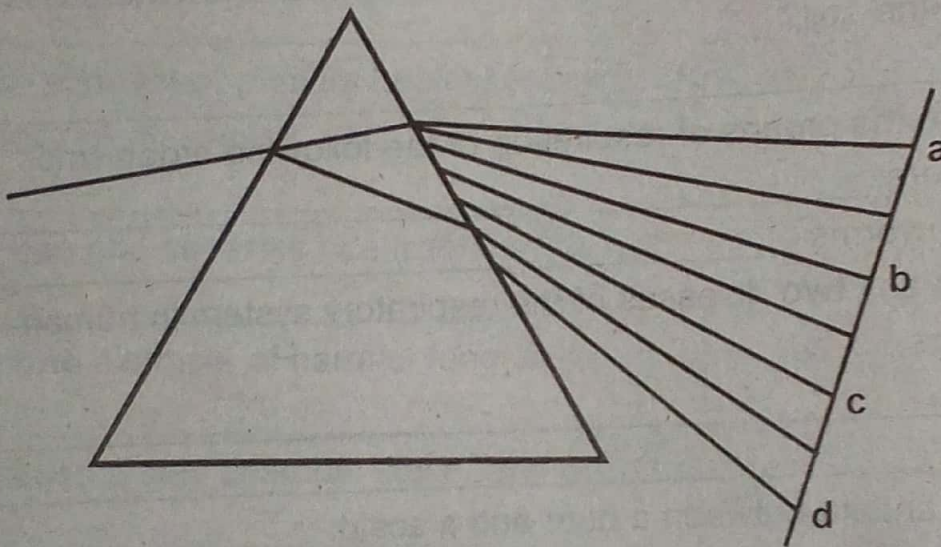
(b) Write **two** causes of dehydration.

(i) _____

(ii) _____

(c) Why is a dehydrated person given ORS?

*Below is a diagram of dispersed light to form a spectrum.
Use it to answer questions that follow.*



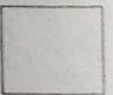
46. Name the colours marked a, b, c, d.

(i) a _____

(ii) b _____

(iii) c _____

(iv) d _____



47. (a) How is sound produced?

(b) Mention **two** devices used to store sound.

(i) _____

(ii) _____

(c) State **one** importance of sound to man.

48. (a) What is a joint?

(b) Name the **two** types of joints.

(i) _____

(ii) _____

(c) Which kind of joint is formed in the skull?

49. (a) Write the following abbreviations in full.

(i) COVID 19 _____

(ii) HIV _____

(b) Give **two** ways how COVID 19 can be controlled.

(i) _____

(ii) _____

50. (a) What is echo?

(b) How is echo important to a bat?

(c) State how sound is similar to light.

(d) What is the function of a pinna of the ear?

51. (a) Why is a sweet potato plant referred to as a root tuber?

(b) Apart from sweet potatoes, name any other example of a root tuber.

(c) Name one pest of tuber crops.

(d) How is a banana plant propagated?

52. (a) Write **two** processes of soil formation.

(i)

(ii)

(b) Identify the type of soil used in making the following.

(i) Ceramics:

(ii) Glasses:

53. (a) Define a machine.

(b) Identify **two** ways in which friction is useful.

(i)

(ii)

(c) Outline **one** way how friction is a nuisance.

54. (a) What are vertebrates?

(b) Name any **two** warm blooded vertebrates.

(i)

(ii)

(c) How are birds similar to reptiles in their mode of reproduction?

55. (a) What food value do we get from the following?

(i) Honey

(ii) Fish

(b) State **two** importance of food to human beings.

(i)

(ii)

****Good Luck****