

BUSIA DISTRICT ACADEMIC BOARD

P.7 MOCK ASSESSMENT 2024

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SEVEN

DURATION : 2 HOURS 15 MINUTES

Index No.

Random No.						Personal No.		

CANDIDATE'S NAME :

CANDIDATE'S SIGNATURE :

SCHOOL NAME :

District Name :

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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 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer **ALL** questions. All answers to both section 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.
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 boxes indicated For Examiner's use only

FOR EXAMINERS' USE ONLY

PAGES	MARKS	SIGN
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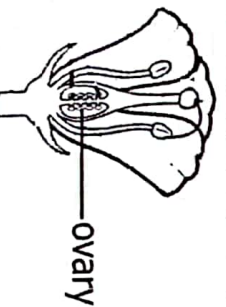
Turn Over

**P.7 MOCK 2024 SCIENCE
SECTION A (40 marks)**

Questions 1 to 40 carry one mark each.

1. Give one use of feathers to a domestic bird.
2. Why is it advisable to use a toilet paper when using a flush toilet?
3. How does sound from a radio reach a listener?
4. Name the muscular skeletal disease caused by a virus.
5. Which deficiency disease can be prevented by feeding on red paper?
6. Apart from warmth, mention any other condition necessary for bacteria to breed.
7. Which element of weather is useful to crop farmers during harvesting time?
8. Name the type of alcohol which causes blindness.
9. What number of teeth makes up the first set of teeth in human beings?
10. How does the use of electricity help to conserve plants in the environment?

The diagram below shows one of the types of pollination. Use it to answer questions 11 and 12.



11. Name the type of pollination shown above.
12. How do pollen grains reach the ovary after pollination?
13. Name the type of pulley system used for raising a flag on the flag post.

14. Identify the energy resource for generating solar electricity.

15. State the most common way through which HIV/AIDS is spread.

16. Name the vector for river blindness.

17. Why do people breathe out less oxygen?

18. Mention the disease which attacks both chicken and rabbits.

19. To which type of change does molting belong?

20. How are bean seeds dispersed?

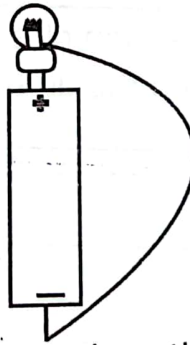
21. Mention any one annual cereal crop.

22. How are feelers of an insect similar to the skin of a human being?

23. Give one disadvantage of using fossil fuel.

24. State the first aid for a scald.

The diagram below is of a simple electric circuit. Use it to answer questions 25 and 26.



25. By the help of an arrow, show the flow of electrons in a circuit.

26. Which energy change takes place in the bulb when the circuit is complete?

27. Why do farmers carry out docking in sheep rearing?

28. By what process does food from the mouth move through the gullet to the stomach?

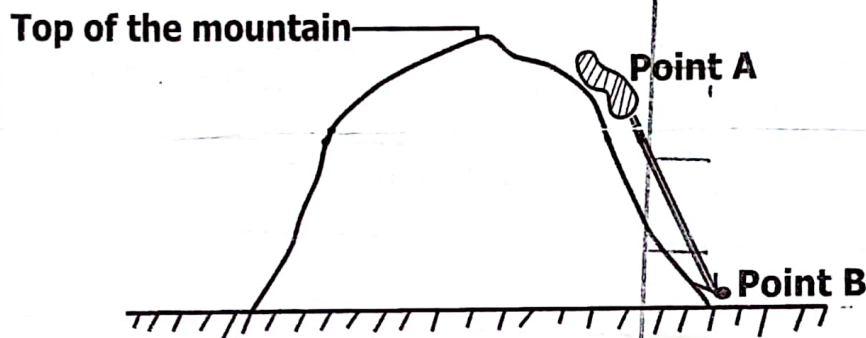
29. Give any one way of making water safe-for drinking.

30. Why is a sugar cane crop not regarded as a stem tuber?

31. Identify the force in water which makes ship to float.

32. Write any one example of anti- social behavior at school.

A stone broke from the top of a mountain and rolled to the ground as shown below. Study and use it to answer questions 33 and 34.



33. Identify the type of energy possessed by the stone at point t A.

34. What immediate form of energy is most likely to occur at point B as the stone and on the grounds?

35. Why are plants regarded as producers in the food chain?

36. Give one example of essential drugs.

37. How is friction a nuisance force in our daily life?

38. Where does absorption of alcohol take place in the alimentary canal?

39. What scientific name is given to a magnet made using electricity?

40. Name the female sterile bee in a bee hive.

SECTION B (60 MRKS)

41a) How are production records different from breeding records on a cattle farm?

b) Give any one example of health records kept on a cattle farm.

c) Why do cattle farmers dip their cattle regularly?

d) Name the cattle disease detected while milking a cow.

42a) By what process is heat transferred in a vacuum?

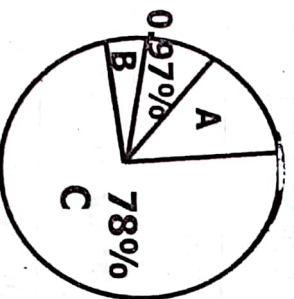
b) Why is a cork of a thermos flask made of wood or plastic?

c) State any two effects of heat on matter.

i) _____

ii) _____

43. The diagram below shows percentages of air in the atmosphere. Use it to answer questions that follow.



a) Name the part of air marked C.

b) What is the percentage of part of air marked B?

c) State any two uses of air marked B.

i) _____

ii) _____

44a) State any two ways in which health education can be conducted in your community.

i) _____

ii) _____

b) Write the element of primary health care (PHC) responsible for:

i) Controlling tuberculosis in infants.

ii) Preventing rapid population.

45a) What is excretion?

b) Which body organ excretes carbon dioxide?

c) Why is the liver regarded as the most important body organ?

d) Give one way of caring for the skin.

46. Study the table below and use it to answer the following questions.

LIST A

LIST B

Frog	Whale
Turkey	Bat
Snake	Elephant
Tilapia	Rat

a) How are animals in list A similar to those in list B?

b) To which class of animals do those in list B belong?

c) How is an elephant similar to a turkey in terms of fertilization?

d) How are animals in list A similar in terms of reproduction?

47. a) What is soil conservation?

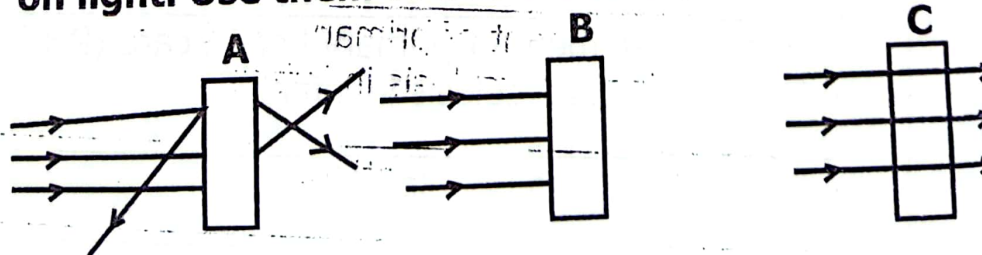
b) State any two ways of conserving soil.

i) _____

ii) _____

c) In which way does soil erosion cause soil exhaustion?

48. The diagrams below show the effects of different types of light on light. Use them to answer the questions that follow.



a) Identify the material marked B.

b) Give any one effect of material marked B on light.

c) Mention any one example of material marked A.

d) Which of the above diagrams enables you to see clearly?

49. Match the following correctly.

List A	List B
Red bloods cell.	Fights against disease causing germs.
Platelets	Transports oxygen.
White blood cells	Helps in blood clotting.
Plasma	Contains dissolved components of blood.

a) Red blood cell _____

b) Platelets _____

c) White blood cell _____

d) Plasma _____

50. The sun and water bodies are so useful in the rain cycle.

a) Explain how the sun helps in the rain cycle.

b) Apart from the sun and water bodies, write another component of the environment involved in the rain cycle.

c) State one importance of rain water to a germinating seed.

51a) Which immunizable disease enters our bodies through cuts and wounds?

b) At what age is BCG vaccine given?

c) Which document shows that a child is fully immunized?

d) Apart from immunization, how can a newly born baby acquire immunity?

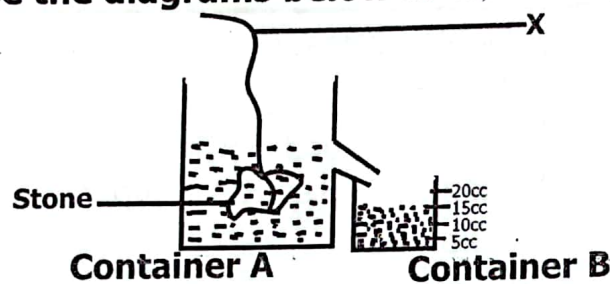
52a) Define a nursery bed?

b) Mention any one example of a crop planted in a nursery bed

c) State any one activity done during the hardening off at a nursery bed.

d) Why is the transplanting of seedlings best done in the evening?

53. Use the diagrams below to answer questions that follow.



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

b) What name is given to container A? _____

c) How important is part marked X in finding the volume of the stone?

d) Find the volume of the stone.

54a) State the difference between sanitation and personal hygiene.

b) Apart from water, basin and soap, write any one item used in the promotion of _____

i) Sanitation: _____

ii) Personal hygiene: _____

55a) What is the role of flies in the 4Fs germ path.

b) How do flies spread germs on food in the 4Fs germ path?

c) Mention the diarrhoeal disease which spreads through the 4Fs germ path and leads to passing out of stool with blood.

d) What does the second D represent in 3Ds?