



The PRIME EXAMINATIONS 2023

P.7 PRE - PLE TRIAL SET I

INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:

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Candidate's Name:

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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Do not write your school or district name anywhere on this paper.
2. This paper has **two** sections: A and B Section A has 40 questions and section B has 15 questions. The paper has 7 printed pages.
3. Answer **all** questions. All answers to both sections A and B must be written in the spaces provided.
4. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

FOR EXAMINERS' USE ONLY

QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PEC)

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Kampala

Section A. (40 Marks)

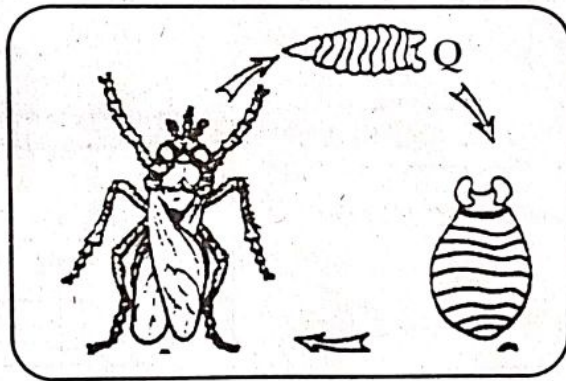
1. Give any one cause of road traffic accidents.

2. State the duty of worker bees in a bee hive.

3. Name the part of the human skin that produces the body hair.

4. Which method of heat transfer enables mothers to boil water evenly in a kettle?

The diagram below shows the life cycle of a tsetse fly. Use it to answer questions 5 and 6.



5. Name stage Q in the diagram above.

6. How does the female tsetse fly reproduce?

7. Give a reason why farmers harvest their crops during dry season.

8. Mention any one method of milking cattle.

9. What causes the dispersion of light?
10. Name the drugs used to treat bacterial infections.
11. State the units for sound waves.
12. Why do mosquitoes lay their eggs on stagnant water?
13. Give one similarity between bacteria and fungi
14. Give any one importance of joints in the human body.
15. How is typhoid spread amongst people in our community?

The table below shows the immunisation schedule. Use it to answer questions 13 and 14.

Disease	Vaccine	Age	Method
Polio	OPV	At birth, 6, 10 and 14 weeks	Oral method
Tuberculosis	BCG	At birth	By injection
Diphtheria Pertussis, tetanus, Hepatitis B Haemophilus	DPT - Hep B+ Hib	6 weeks 10 weeks 14 weeks	By injection
Measles	Measles vaccine	9 months	By injection.

16. What does OPV stand for according to the above immunisation schedule?

17. State the importance of immunisation card to the parents.

18. Give the meaning of essential drugs.

19. How best can you reduce friction in hinges of a door?

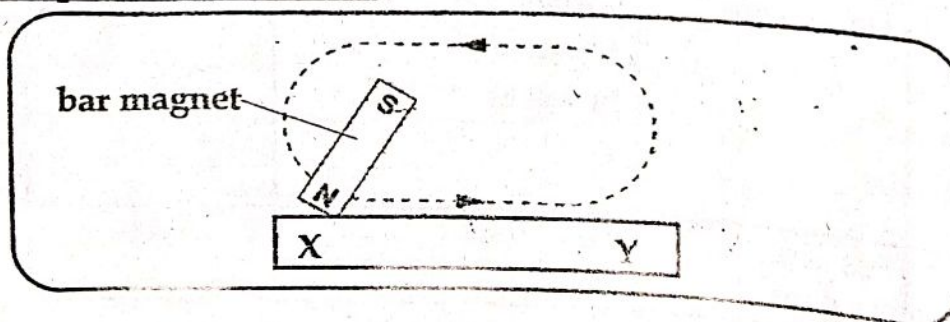
20. As a P.7 candidate, what advice can you give to a mother whose child has sunken eyes and dry mouth lips?

21. State one functional difference between a vein and an artery in the body.

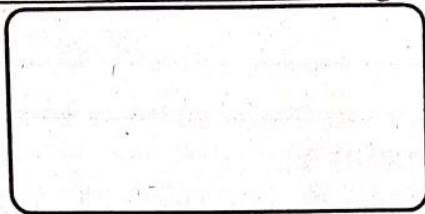
22. In which one way do animals benefit from plants?

23. Name any one example of snakes which produce venom.

The diagram below shows a method used to make magnets. Use it to answer the questions 24 and 25.



34. In the space provided below, draw a diagram of an incisor tooth.



35. How is the tooth in 34 above adopted to its function?

36. What happens to the lungs during inhalation?

37. Why is tepid sponging carried out when giving first aid for fever?

38. Write down one advantage of bottle feeding.

39. Give any one role of a father at home.

40. Why are animals with foot and mouth disease quarantined?

Section B (60 Marks)

41. (a) Which wood fuel is obtained by burning wood in limited supply of oxygen?

(b) Give any two ways of conserving vegetation in our environment.

(i) _____

(ii) _____

(c) State any one danger of uncontrolled cutting down of trees.

24. Identify the method of making magnets shown in the diagram above.
25. Which pole will be formed at point Y?
26. Name any one basic requirement of a pregnant woman.
27. Give one reason why rusting and burning are regarded as chemical changes.
28. Write down one of the 5R's apart from recycling in the solid waste management.
29. State one way of harvesting cassava.
30. Give one disadvantage of free range system of keeping poultry.
31. Name the type of germination where we group an onion.
32. Give any one importance of wind as a resource.
33. Mention any one enzyme present in the duodenum.

42. (a) Write down any two factors that may let an individual get involved in poor health practices.

(i) _____

(ii) _____

(b) Mention any two examples of poor health practices in our community.

(i) _____

(ii) _____

43. (a) Use the table below to answer the questions below.

A	B	C
Water lilies	Mango	Castor oil seed

(b) State the mechanism of seed dispersal in seeds.

(i) A _____ (ii) B _____

(iii) C _____

(b) Write one characteristic that makes a mango seed to be dispersed easily.

44. (a) What is meant by the term friction?

(b) State any two advantages of friction in our daily life.

(i) _____

(ii) _____

(c) Give one reason why roads are made up of rough materials like gravel.

45. (a) State any two activities that promote personal hygiene.

(i) _____

(ii) _____

(b) Give one reason why we should keep our bodies clean.

(c) Mention any one internal parasite that may spread due to poor personal hygiene.

46. Below are diseases spread by different vectors. Match them against their vectors.

Vectors

Black flies

Infected dogs

Culex mosquito

Tsetse flies

Disease

Elephantiasis

Sleeping sickness

Rabies

River blindness

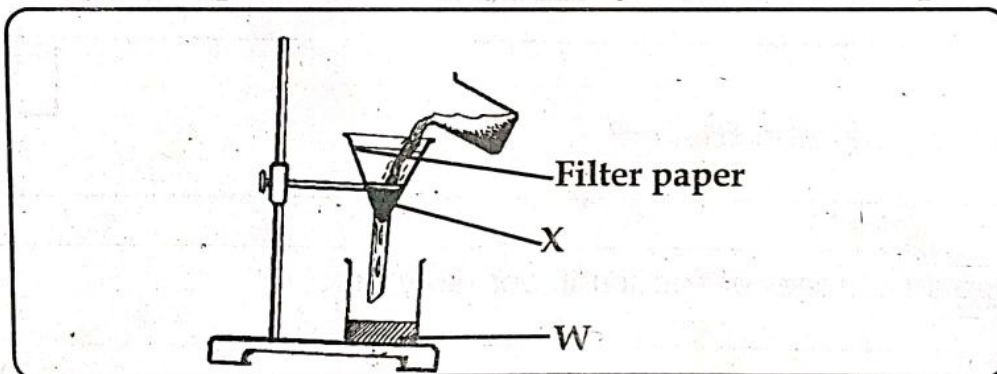
Black flies

Infected dogs

Culex mosquito

Tsetse flies

47. Study the experiment below carefully and answer the questions that follow.



(a) Name the substance marked X and W.

(i) X _____ (ii) W _____

(b) State the reason why filtered water is not good safe for drinking.

(c) Write any one way of making filtered water safe for drinking.

48. (a) Mention any two examples of sexual deviation carried out in our community.

(i) _____

(ii) _____

(b) Write one way of controlling sexual deviation in our community.

(c) Why is arson referred to as an **antisocial** behaviour?

49. (a) State any **two** qualities of a good animal shelter.

(i) _____

(ii) _____

(b) Why is the floor of goat shed made slanting?

(c) Apart from housing, write **one** other care given to goats and sheep.

50. (a) State any **two** ways of plant training. ☐

(i) _____

(ii) _____

(b) Write any **two** reasons why some crops are first raised in a nursery bed.

(i) _____

(ii) _____

51. (a) Write **VIP** in full in relation to latrines.

(b) How is an **ECOSAN** toilet important to crop farmers?

(c) State the use of the following components of a **VIP** latrine.

(i) screen _____

(ii) vent pipe _____

52. (a) Write any **one** type of reflection in light.

(b) State any **two** applications of reflection of light in our daily life.

(i) _____

(ii) _____

(c) How are mirage formed?

53. (a) Mention any primary sex characteristic that occurs in boys.

(b) State any two problems that are caused due to teenage pregnancy to a girl.

(i)

(ii)

(c) Why should an adolescent be kept busy?

54. (a) Which method of making alcohol involves yeast when making crude alcohol?

(b) Give any two uses of alcohol to a health worker.

(i)

(ii)

(c) State any one way of reducing the rate of alcoholism in our community.

55. (a) Name one water borne diarrhoeal disease.

(b) Give any two ways of controlling the spread of diarrhoeal intestinal diseases in our community.

(i)

(ii)

(c) Apart from taking contaminated water, write any other one way in which germs are spread.



Revision Tip.

Make corrections with the teacher and set your own related questions from above.