



The PRIME EXAMINATIONS 2023

P.7 PRE - PLE TRIAL SET II

INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:	Random No.	Personal No.



Candidate's Name:

Candidate's Signature:

School Random No.

District ID:

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.

PUBLISHERS OF:-

THE PRIME: SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

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)

Section A (40 Marks)

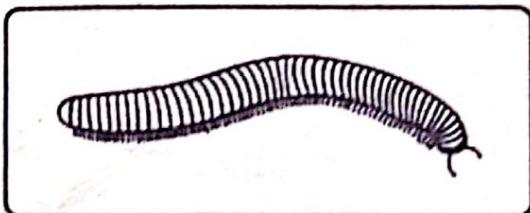
1. Name any one example of a poisonous substance to people.

2. State one way in which quill feathers are useful to birds.

3. Give one reason why body hair lie flat on the body during hot days.

4. How is a vacuum flask adapted to its function?

The diagram below shows an arthropod. Study and use it to answer questions 5 and 6.



5. To which group of arthropods does the above organism belong?

6. Why does the above organism coil when touched?

7. Give one way in which heat energy from the sun is useful in the environment.

8. Name the method of milking cows that requires skilled labour.

9. How are leaves adapted to photosynthesis?

10. Mention the fungus which is a raw material during fermentation.

11. State the use of echoes to pilots.

12. Give one way of preventing mosquito bites at home.

13. Write any one sign of measles among children.

14. Give one way in which diarrhea can be controlled among children.

15. State one importance of flat bones in the human body.

16. What do we call *the muscles that separate the right and left chambers of the heart?*

17. Name the type of germ that causes dysentery.

18. Write down one reason why essential drugs should be affordable by all people in the community.

19. How does greasing reduce friction in moving parts of a bicycle?

20. Which deficiency disease is *characterised by poor blood clotting?*

21. Name the living organism involved in natural insemination.

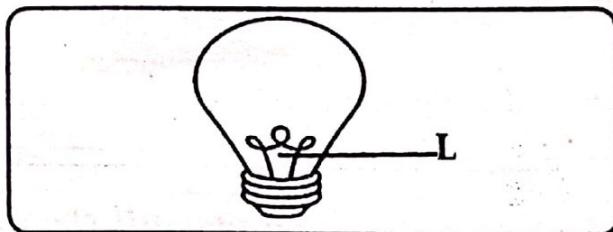
22. State any one condition that enables proper growth of trees.

23. Name the reptile that lays its eggs on lake shores.

24. Apart from being a source of income and food, give one other reason for keeping rabbits.

WARNING: Not to be reproduced electronically!!

The diagram below is of an electric bulb. Study and use it to answer questions 25 and 26.



25. State the importance of part marked L from the diagram above.

WARNING: Not to be reproduced electronically!!

26. Why is part marked L from the diagram above coiled?

27. State one way in which poor family planning affects the wellbeing of a family.

28. Give any one activity done to control bad odour on the body of humans.

29. State any one way in which dumping plastics in the garden affect soil fertility.

30. Why do dry leaves float when put in water?

31. Mention any one poultry vice.

32. How are moss plants different from conifers?

33. Name one dangerous substance found in urine.

WARNING: Not to be reproduced electronically!!

34. Give any one way of maintaining the efficiency of the digestive system of man.

35. Name any one teeth disease.

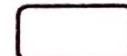
36. Give one reason why the volume of lungs increases during inspiration.

37. Mention any one way in which drowning of children can be prevented at home.

38. State one importance of bottle feeding to babies.

39. How is untreated gonorrhea dangerous to a pregnant mother?

40. Mention any one role of a father in a family.



Section B (60 Marks)

41. (a) Give the meaning of the term *fuels*.

(b) Why is petroleum fuel grouped under non-renewable resources?

(c) *Apart from using energy saving charcoal stoves, state one other way of saving wood fuel.*

(d) Why wood fuel commonly used in our homes?

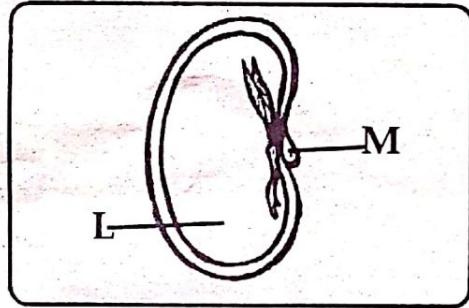
42. (a) Name any one food value you know.

(b) Why is it necessary to feed convalescents on food rich in a balanced diet?

(c) *Apart from eating food rich in a balanced diet*, give any one other way of caring for the sick.

(d) State any one way of preventing sickness at home without using drugs.

43. The diagram below shows a germinating bean seed. Study and use it to answer questions that follow.



(a) State the function of the part marked M to a germinating seed shown in the diagram above.

(b) Which condition for germination dissolves the stored food in part marked L?

(c) State any one indicator of used stored food in the cotyledon during seed germination.

(d) How are seeds useful to a crop farmers?

44. Tonny is to raise a load of 60kg using a movable pulley.
(a) What is the mechanical advantage of the machines?

(b) Find the force needed to raise the load.

(03marks)

45. (a) Name any one skin disease caused by poor personal hygiene.

(b) Why is it advisable to wash hands with clean water and soap?

(c) *Apart from washing hands with soap and clean water*, state other two ways of promoting proper personal hygiene.

- (i) _____
(ii) _____

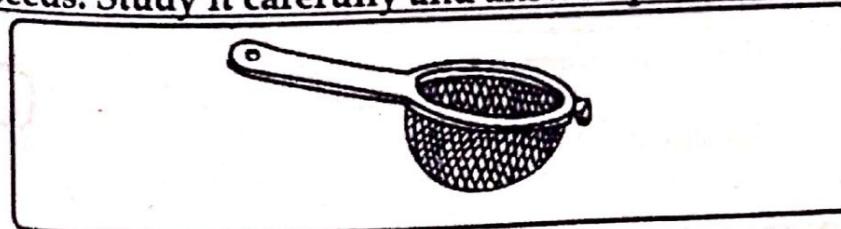
46. (a) Name two types of pit latrines.

(i) _____ (ii) _____

(b) Why should a pit latrine be constructed 30m away from the water source?

(c) How does covering of pit latrines helps to control diarrhoeal disease?

47. The diagram below shows a method of eliminating bad materials from seeds. Study it carefully and answer questions that follow.



(a) Identify the equipment being used in the diagram above.

(b) Name any one example of mixture that can be separated by the above method

(c) State the importance of a net on the equipment named in (a) above.

(d) How useful is the above equipment at home?

48.

(a) State any one cause of child prostitution.

(b) In which one way is child prostitution affecting the community?

(c) Give two ways child prostitution can be controlled among children.

(i) _____

(ii) _____

49.

(a) *Apart from boiling*, state one other way of making water safe for drinking.

(b) Name the process of *making water safe where contaminated water is evaporated through a tube*

(c) Why is safe water obtained using the process in 49(b) is not recommended for drinking?

(d) In which one way can we avoid water contamination in a community?

50

(a) What do we call the *removal of testes from male animals?*

WARNING: Not to be reproduced electronically!!!

(b) State one importance of the practice named in (a) above useful to a cattle farmer.

(c) Mention two ways in which a goat farmer can improve on the qualities of products of his local breeds.

(i)

(ii)

51. (a) Give one example of a crop that is staked.

(b) Give any two reasons why farmers stake their crops.

(i)

(ii)

(c) How does staking of root crops control ground pests?

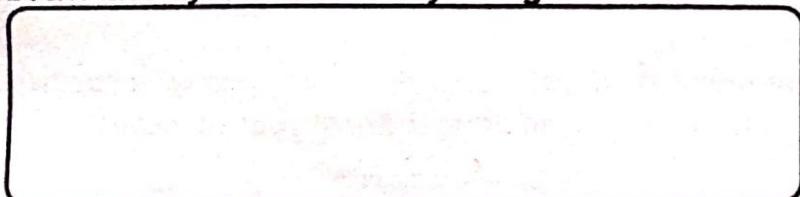
52.

The table below shows parts of the female reproductive organs and their functions. Study and use it to match correctly.

Parts of the reproductive system	Their uses
(i) Ovary	is where implantation takes place.
(ii) Ovum	is where fertilization takes place.
(iii) Fallopian tube	produces ova.
(iv) Uterus	is a female reproductive cell.

(i) Ovary	_____
(ii) Ovum	_____
(iii) Fallopian tube	_____
(iv) Uterus	_____

53. (a) Draw the symbol for a ray of light.



WARNING: Not to be reproduced electronically!!!

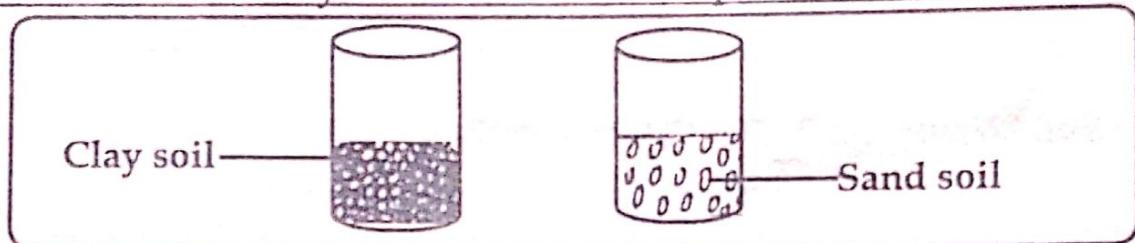
(b) How is a diverging beam of light important to the drivers?

(c) State any two ways in which light energy from the sun is useful in daily life.

(i) _____

(ii) _____

54. The diagram below shows types of soil being put in different tins of the same volume. Study and use it to answer question that follow.



(a) If the same amount of water was put in two tins at the same time, which type of soil will drain fast?

(b) Give a reason for your answer in 54(a) above.

(c) Mention one crop that can grow well on clay soil.

(d) Which characteristic of clay soil makes it suitable for pottery?

55.

(a) Name any one alcoholic drink.

(b) Why is alcohol used to make medical spirit?

(c) Give two reasons why people take alcohol

(i) _____

(ii) _____



REVISION TIPS

Avail yourself with a lot of diagram work in relation to what has been examined in this pre PLE set in order to boost your academic performance.