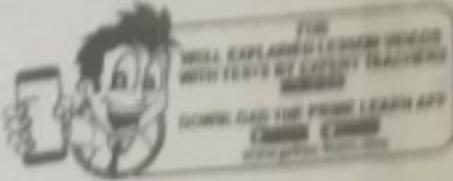




The PRIME EXAMINATIONS 2023
P.7 PRE - PLE TRIAL SET II
INTEGRATED SCIENCE

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.

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

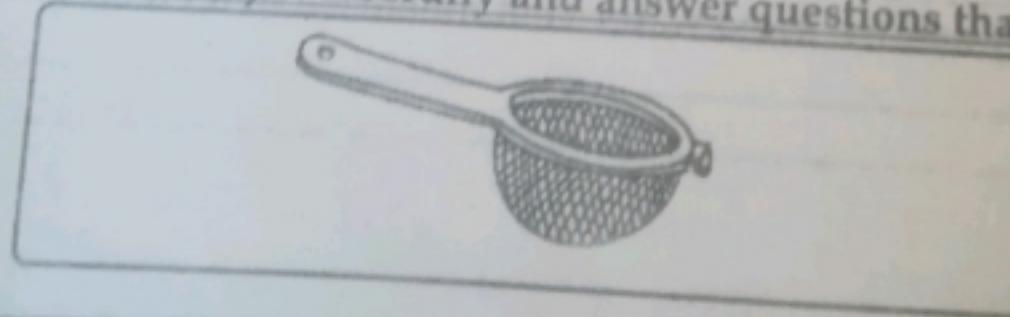
 Consultant
 Integrated Science Department (ISD)

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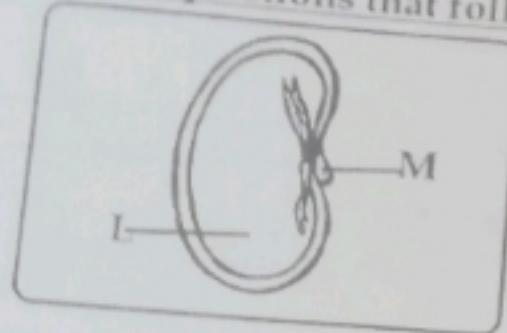
44. Tonny is to raise a load of 60kg using a movable pulley.
- (a) What is the mechanical advantage of the machine?
- (b) Find the force needed to raise the load. (03marks)

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 help 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.



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 farmer?

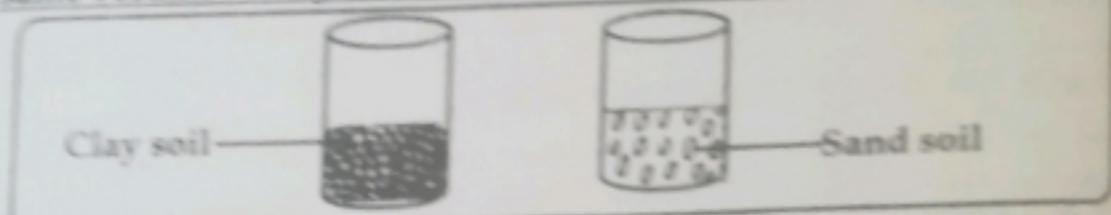
(b) How is a diverging beam of light important to the drivers?

(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.

Section A (40 Marks)

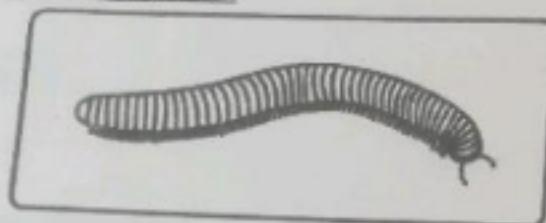
1. Name any one example of a poisonous substance to people.

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.

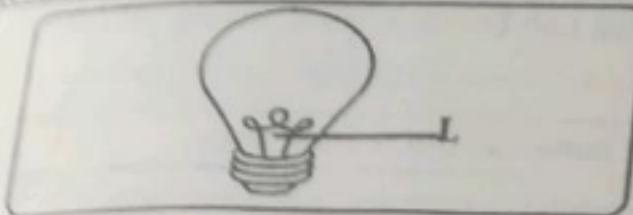
9. How are leaves adapted to photosynthesis?

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

11. State the use of echoes to pilots.

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

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.

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?