



THE PRIME EXAMINATIONS 2022

P.7 PRE - PLE TRIAL SET II

INTEGRATED SCIENCE (Abridged Curriculum)

Time allowed 2 hours 15 minutes

INDEX NO:

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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	INITIAL
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (P)

PUBLISHERS OF:-

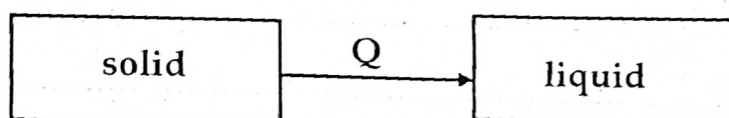
THE PRIME, SCHEMING FRAMEWORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS,
HOLIDAY PACKAGES, LEARNING GAMES AND MORE.

Turn Over

Section A. (40 Marks)

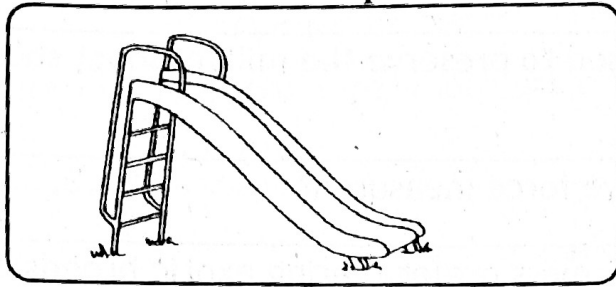
1. Name the resource used to provide wood fuel to people.
2. Give the use of a sponge when cleaning our body.
3. Which group of birds are characterized by having weak wings compared to their body size?
4. Why are pregnant mothers advised to eat food stuffs rich in proteins?
5. How is a hinge joint different from a ball and socket joint?

Use the diagram below about the changes in states of matter to answer questions 6 and 7.

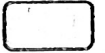


6. Name the process marked with letter Q in the diagram.
7. Which form of energy enables process Q to take place from the diagram above?
8. What do we call the turning point of a seesaw?
9. Name the wild animal which is a source of ivory to man.
10. Mention the carbohydrates source got from bees.
11. State one danger of transpiration in plant.
12. How is a vent pipe of a VIP latrine different from the screen in terms of purpose?
13. Give any one symptom of sleeping sickness.
14. Name the childhood immunisable disease characterized by a swollen neck.

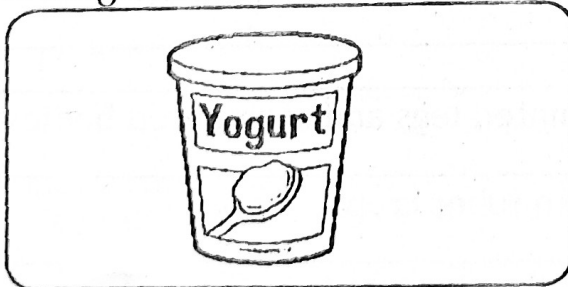
The diagram below is of a simple machine, use it to answer questions 15 and 16.



15. To which group of simple machines does the above machine belong?
16. How does the simple machine shown in the diagram above simplify work?
17. Give one role of a health prefect in a school.
18. State the reason why young children pass out urine without control.
19. Why should rotting matter be buried in the soil?
20. Name the dangerous substance found in tobacco that cause high blood pressure.
21. Give any one role of a P.7 pupil in promoting Primary Health Care.
22. Which **type** of beam of light is produced by plane mirrors?
23. In which one way are blood capillaries adapted to their function of exchanging materials in the body?
24. Name any one food staff rich in fats and oils.

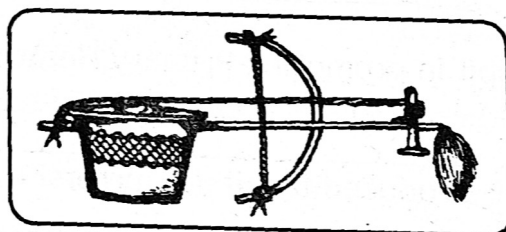


The diagram below shows a milk product. Use it to answer questions 25 and 26.



25. Which food value do we get from the milk product shown in the diagram?
26. Write **one** modern method used to preserve the milk product shown in the diagram above.
27. In which units is electromotive force measured?
28. Give **one** reason why some farmers prefer rearing exotic breeds of poultry to local breeds.
29. Name the **type of clouds** that show fine weather.
30. Which crop growing practice is carried out to prevent seed dormancy?
31. Why is it advisable to wear life jackets while travelling on water?
32. What do we call temporary magnets produced by induction method?

The diagram below is of a stringed musical instrument. Use it to answer question 33.



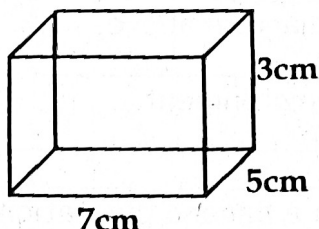
33. How does the above musical instrument produce sound?
34. Why is it bad to share a living house at night with potted plants?
35. State the reason for displaying utensils on a rack after washing.
36. Name the group of vertebrates with jointed legs and segmented bodies.
37. Give the best method of harvesting stem tuber crops.
38. Which energy changes take place when the flat iron is in use?

39. State the way how bacteria help in prevention of environmental pollution.

40. Name the sack like structure where urine is stored temporarily before passing it out.

Section B. (60 Marks)

41. The diagram below is of a cuboid. Use it to answer questions that follow.



(a) Calculate the volume of the cuboid above.

(02 Marks)

(b) If the mass of a cuboid is 315g. find the density of the cuboid.

(02 Marks)

42. (a) Name the tiny hair found in the nose.

(b) How is the hair named in (a) above important during breathing in?

(c) State the use of cartilaginous rings found on the trachea.

(d) Why are the lungs elastic?

43. (a) Give one effect of the following types of lenses to beams of light;

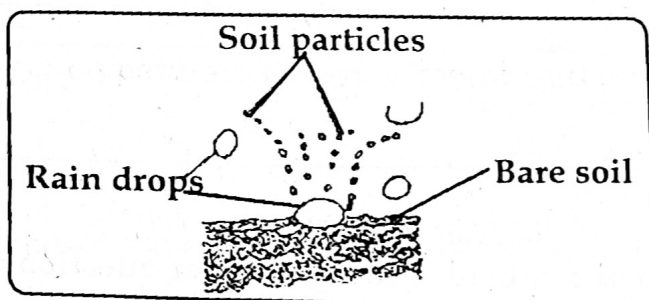
(i) concave lens

(ii) convex lens

(b) Mention any two instruments that use lenses to function.

(i) _____ (ii) _____

44. The diagram below is of a type of soil erosion. Use it to answer questions that follow.



(a) Name the type of soil erosion shown in the diagram above.

(b) State any two causes of soil erosion in the environment.

(i) _____

(ii) _____

(c) How does mulching conserve soil moisture in a banana plantation garden?

45. (a) Give any two causes of road traffic accidents.

(i) _____

(ii) _____

(b) Name any two types of fractures.

(i) _____

(ii) _____

46. The table below shows different weather instruments and their uses. Study and complete it correctly.

Instrument	Use
(i) Hygrometer	_____
(ii) _____	For measuring the speed of wind
(iii) Wind vane	_____
(iv) _____	For measuring temperature

47. (a) Apart from filtering, mention one method of obtaining clean water.

(b) Why is the water obtained by the above method in (a) above not good for drinking?

(c) How can water obtained by filtration be made safe for drinking?

(d) In which one way is filtration applied in our daily home?

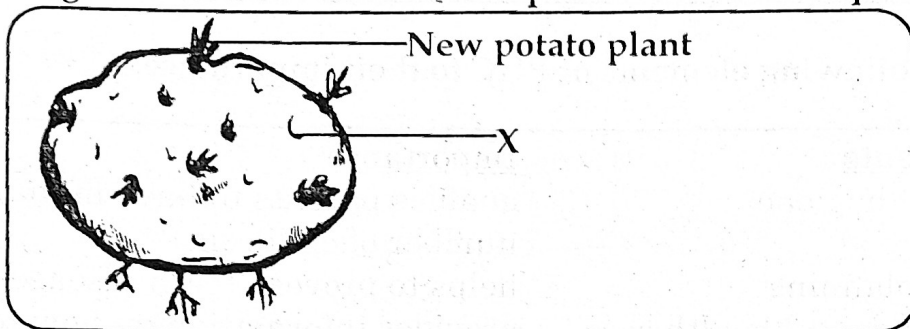
48. (a) State the use of the following items when cleaning teeth.
(i) tooth paste

(ii) tooth brush

(b) Name two dental diseases.

(i) _____ (ii) _____

49. The diagram below is of a tuber crop. Use it to answer questions that follow.



(a) Name the part marked with letter X.

(b) How is the tuber crop in the diagram above propagated?

(c) Which food value do we get from eating a boiled Irish potato?

(d) State one way of caring for tuber crops in the garden.

50. (a) What is meant by a type of cattle?

(b) Which type of cattle is kept by farmers to provide labour on a farm?

(c) State a difference between dairy and beef cattle in terms of purpose.

(d) Write down any one product improved in local breeds after cross breeding.

51. (a) Name the force that leads to wear and tear of parts of machines.

(b) Give two disadvantages of the force named in (a) above.

(i) _____

(ii) _____

(c) Why is sand paper made with a rough surface?

52. (a) Mention two conditions necessary for rusting to occur.

(i) _____

(ii) _____

(b) State two importance of chemical changes.

(i) _____

(ii) _____

53. Match the following elements of PHC to their importance.

<u>Elements</u>	<u>Importance</u>
(a) Personal hygiene	enables parents to have manageable number of children.
(b) Family planning	helps to prevent teeth diseases.
(c) Oral and dental health care	provides information on how to care for our health.
(d) Health education	helps to prevent skin diseases and bad body smell.
(a) Personal hygiene:	_____
(b) Family planning:	_____
(c) Oral and dental health care:	_____
(d) Health education:	_____

54. (a) What do we call the act of giving birth in rabbits?

(b) Give one reason for rearing rabbits over other animals.

(c) Name two examples of exotic breeds of rabbits.

(i) _____ (ii) _____

55. (a) Name the disease of the reproductive system that result into the following.

(i) **Blindness in babies:** _____

(ii) **Madness:** _____

(b) Write MCT in full.

(c) State one role of TASO in a country.



Revision Tip.

Be precise when writing answers.