



The **PRIME EXAMINATIONS 2023**
P.7 PRE - PLE MAGIC SET V
INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:

Random 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	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

Turn Over

Section A
1. Apart from saving life of the casualty, give one other reason for giving aid.

2. Name one example of a modern bee hive.

3. State the main function of a urinary bladder to man.

4. Why is mercury used for measuring maximum temperature in a sick's thermometer?

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The diagram below is of a housefly. Use it to answer questions 5 and 6.



5. To which group of invertebrates is a housefly?

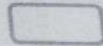
6. How is the above housefly adapted to the mode of spreading germs?

7. Why is a rain gauge placed in an open place at a weather station?

8. Which disease of cattle is characterised by a cow producing milk with dark stains or pus?

9. Give one similarity between the human eye and the pinhole camera.

10. Name the part of a moss plant that serves the same function as the gills of a mushroom.



11. How is the music stored by notation method reproduced?

12. Give any one symptom of rabies in people.

13. How is a child health card important to a health worker?

14. State any one danger of not flushing toilets after use.

The diagram below shows a type of fracture. Use it to answer questions 15 and 16.



15. Name the type of fracture shown in the diagram above.

16. Give any one characteristic of the type of fracture shown in the diagram above.

17. What do tapeworms feed on in humans?

18. Give any one factor that leads to drug dependency.

19. State any one advantage of using machines when doing work.

20. Give any one sign of poor feeding in infants.

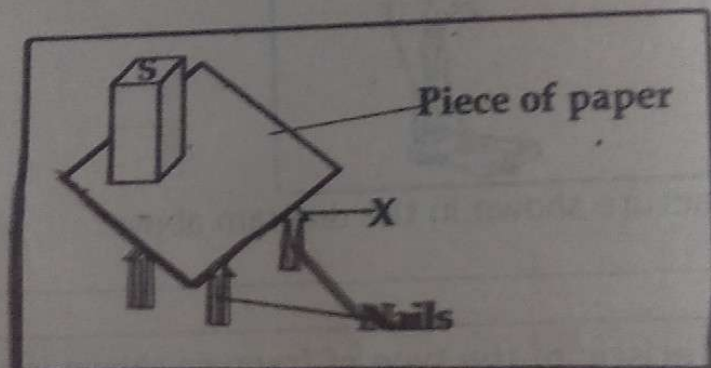
21. Name the component of blood that help to transport oxygen in the body.

22. How do mulches improve on soil fertility in the garden?

23. State the importance of soft pads to lions.

24. Why is it not advisable to keep the buck and the doe together a few days after kindling?

The diagram below shows a property of magnets. Use it to answer questions 25 and 26.



25. Name the property of magnets shown in the diagram above.

26. Which pole will be formed at point X from the diagram above?

27. Name the reproductive disorder in female caused when the fertilized egg is implanted in the oviduct.

28. How are biological changes similar to chemical changes?

29. Give any one use of banana fibres in the environment.

30. State the importance of canine teeth to predators.

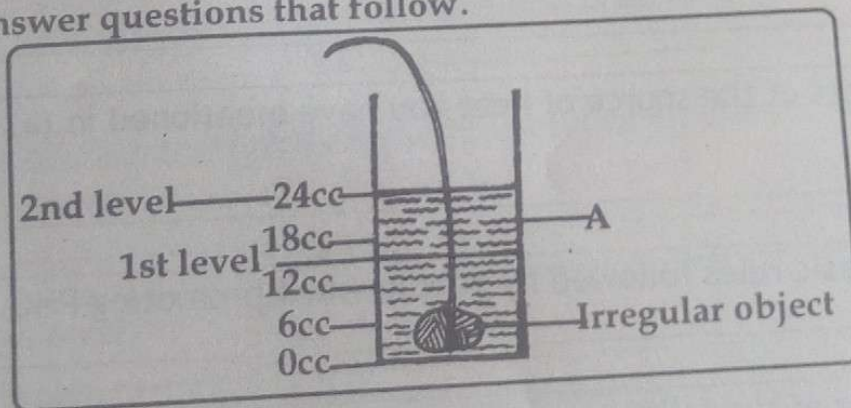
31. What is mean by the term off layers as used in poultry?

32. How is an onion propagated?

33. Name the type of fuel obtained from plants.

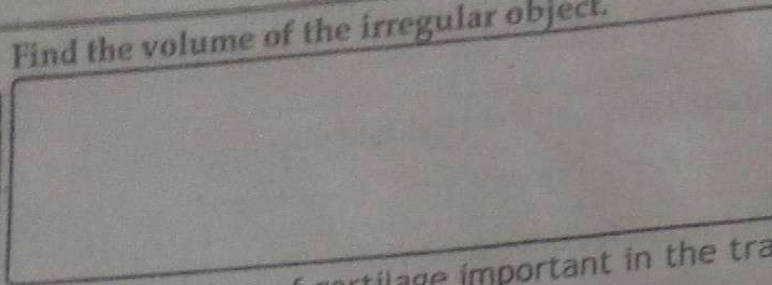
34. Which disorder of the digestive system is caused by improper chewing of food?

The diagram below shows a method of finding volume of objects. Use it to answer questions that follow.



35. Name container A from the diagram above.

36. Find the volume of the irregular object.



37. How are the rings of cartilage important in the trachea?

38. Why are people who have taken jik advised to take plenty of fluids?

39. State the reason for giving pregnant mothers food rich in proteins.

40. Which basic need is required when washing clothes?

Section B. (60 Marks)

41. (a) Name the main natural source of heat in the environment.

(b) How is the above mentioned source of heat useful to Asasira who is a fisherman in Kasensero?

(c) Give any two uses of the source of heat you have mentioned in (a) to man.

(i)

(ii)

42. (a) State any two basic rules followed by people when promoting PHC.

(i)

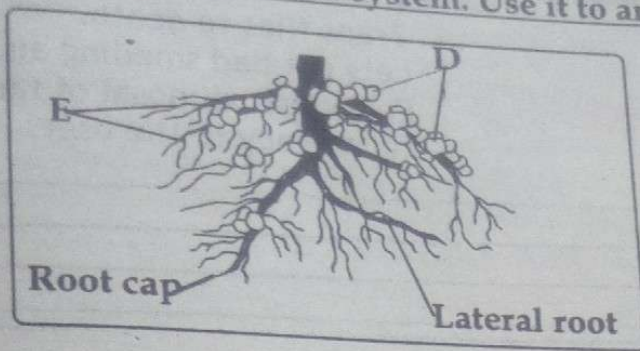
(ii)

(b) Give the meaning of the following;

(i) Community hygiene:

(ii) Personal hygiene:

The diagram below is of a root system. Use it to answer questions that follow.



(a) Name the parts marked D and E from the diagram above.

(i) D: _____ (ii) E: _____

(b) Which group of plants have such kind of root system shown in the diagram above?

(c) State the importance of a root cap to the root system shown in the diagram above.

44. (a) What are first class levers?

(b) Name any two examples of first class levers.

(i) _____ (ii) _____

(c) State the advantages of using first class levers.

45. (a) How are the following items useful when promoting personal hygiene?

(i) Sponge:

(ii) Towel:

(b) State two dangers of sharing clothes.

(i) _____

(ii) _____

46. Match the following parts of a VIP latrine in A to their uses in B.

- A
- Vent pipe
 - Screen
 - Spiral wall
 - Holes
- (a) Vent pipe : _____
- (b) Screen : _____
- (c) Spiral wall : _____
- (d) Hole : _____

- B
- Traps flies to death.
 - Lets out bad smelling air.
 - For proper disposal of faeces.
 - For privacy to the user.

47. (a) Give two areas taught under health education.

(i) _____

(ii) _____

(b) State any two ways of educating people under health education.

(i) _____

(ii) _____

48. (a) What do we call the eroded soil which is carried by flowing water into water bodies?

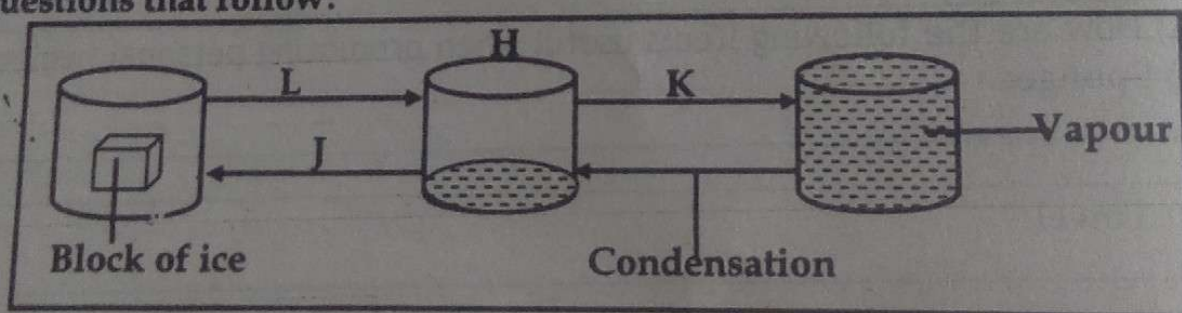
(b) Give any two causes of silting.

(i) _____

(ii) _____

(c) State any one effect of silting.

49. The diagram below shows physical changes of state. Use it to answer questions that follow.



(a) Name the state of matter marked with letter H.

(b) Which processes are marked with J and K from the diagram above?

(i) J: _____

(ii) K: _____

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(c) Name the form of energy that enables process L to take place.

(a) What is the gestation period of an ewe?

(b) Name the main product got from merino sheep.

(c) Give two reasons for docking sheep.

(i)

(ii)

(a) Mention any two examples of farm records kept by a crop farmer.

(i)

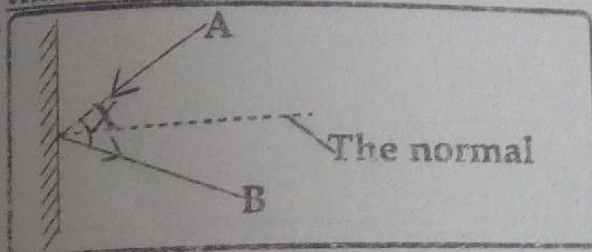
(ii)

(b) Give two importance of keeping records to a crop farmer

(i)

(ii)

The diagram below is about reflection of light. Use it to answer questions that follow.



(a) Identify the rays marked A and B from the diagram above.

(i) A:

(ii) B:

(b) Name angle X from the diagram above.

(c) Which type of reflection is shown in the diagram above?

(a) Give two effects of alcoholism to;

(a) The family.

(i)

(ii)

(b) The community.

(i)

(ii)

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54. (a) State two ways of caring for reproductive organs in girls.

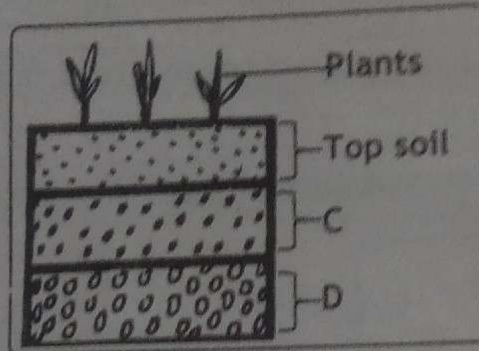
(i) _____

(ii) _____

(b) Why are adolescent girls and boys advised to abstain from sex until marriage?

(c) Give the main function of the epididymis in the male reproductive system.

55. The diagram below shows a soil profile. Use it to answer questions that follow.



(a) Name the layers marked C and D.

(i) C: _____

(ii) D: _____

(b) Which layer of the soil profile is best for plant growth?

(c) Why is the layer mentioned in (b) above best for plant growth?



REVISION TIPS

Ask your teacher and classmates for clarity on areas that tend to be challenging to you.