



THE **PRIME EXAMINATIONS 2022**
PRIMARY SIX MID TERM III
INTEGRATED SCIENCE (Abridged Curriculum)

Time allowed 2 hours 15 minutes



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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.
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.

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THE PRIME SCHEMING FRAMEWORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS,
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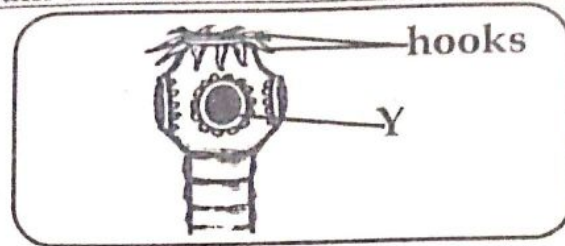
QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
52 - 55		
TOTAL		

Consultant
Integrated Science Department (TIC)

APPROVED:

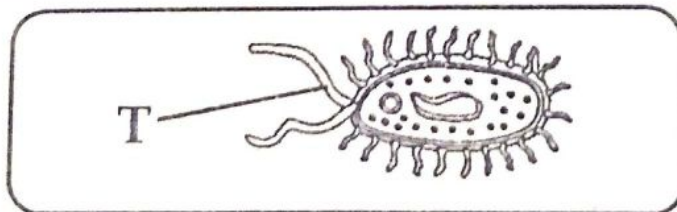
16. Mention one petroleum product used in producing light using lantern lamps.

Study the diagram below and use it to answer questions 17 and 18.



17. Name the structure labelled Y.
18. How are the hooks important on the head of a tapeworm?
19. In which way are scavenger birds important in the environment?
20. Why is it advisable to provide a lid to VIP latrine?
21. What type of injury is caused by steam from boiling water?
22. Name the **biggest vein** in the human body.
23. How does goat keeping contribute to crop growing?
24. How are carrots **propagated**?
25. State one duty of a father at home.

Study the diagram below and use it to answer questions 26 and 27.



26. Name the part marked T.
27. State one condition that favours multiplication of bacteria.
28. Why is it not advisable to **apply salt** on a burnt body part?
29. How is **polio vaccine** administered?

1. Name the **hardest** part of the tooth.
2. How is the putting of the **burnt** part in clean cold water helpful to the casualty?
3. Why is it advisable to wring clothes before drying them?
4. State the **element** of PHC promoted by feeding on a balanced diet.
5. What advise can you give to a mother whose child is suffering from marasmus?

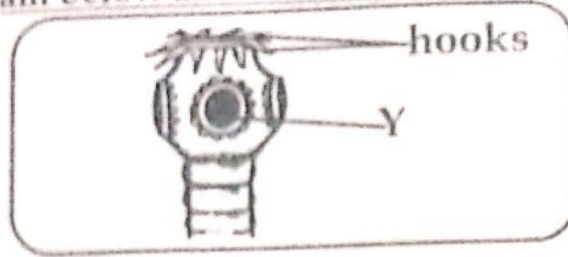
Study the diagram below and use it to answer questions 6 and 7.



6. What kind of feeding babies is shown above?
7. In which **one** way is the above kind of feeding important to a mother?
8. Name any **one** type of cattle.
9. How do **bacteria** reproduce?
10. Why are young children distanced from **hot porridge** at home?
11. Write the **sanitary measure** which helps in proper disposal of human wastes.
12. State **one** effect of smoking to the community.
13. Mention **one** physical process involved in the process of distillation.
14. What **property of matter** enables pumping of air into a tyre?
15. Give **one** reason why mushrooms are not classified among plants.

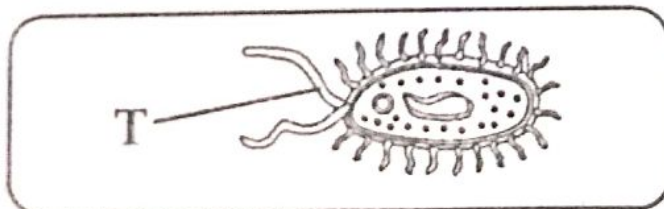
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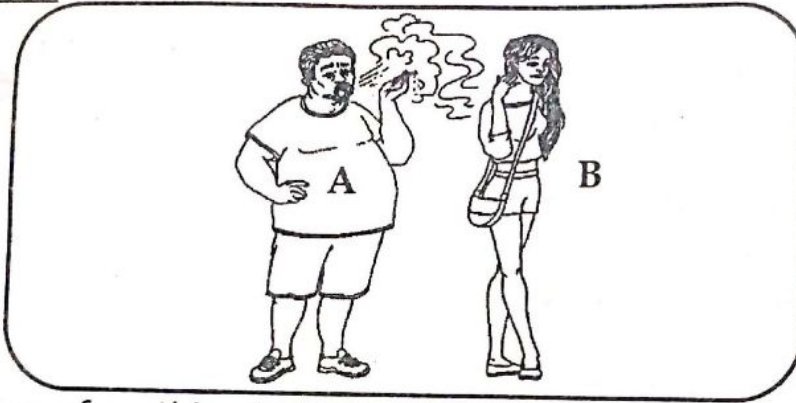
Study the diagram below and use it to answer questions 26 and 27.



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27. State one condition that favours multiplication of bacteria.
28. Why is it not advisable to apply salt on a burnt body part?
29. How is polio vaccine administered?

30. To which type of change do you group germination of seeds?
31. Mention one example of water contact disease.
32. Name the **accident** at home that can come as a result of poor disposal of used drug bottles.
33. In which one way can bottle feeding be of advantage to a baby?
34. Why is it advisable to flush toilets after use?
35. State one element of PHC.

The diagram below shows types of smoking. Use it to answer the questions 36 and 37.

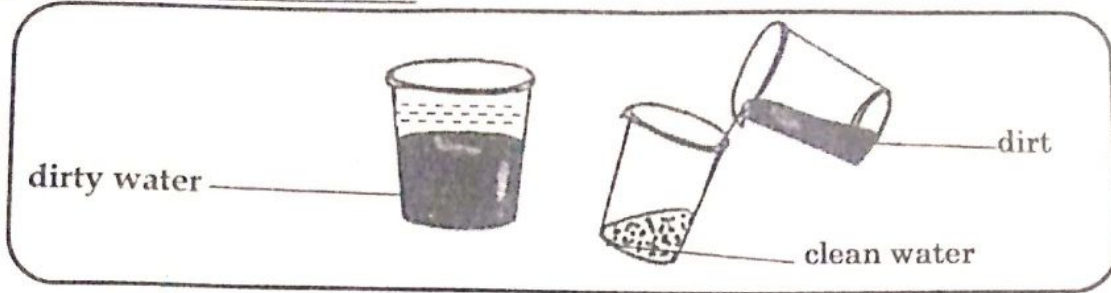


36. What type of smoking is person A carrying out?
37. State one reason why people smoke.
38. Write one type of soil erosion.
39. In which way are geckoes useful in people's houses?
40. Name the **body organ** for sight.

Section B. (60 Marks)

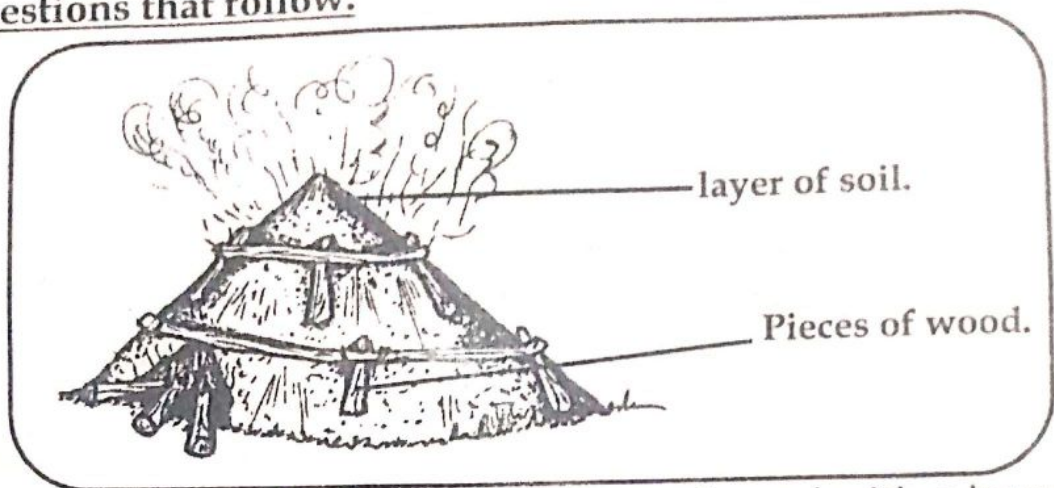
- (a) What is meant by the term a balanced diet?
- (b) Name any two components of a balanced diet.
(i) _____ (ii) _____
- (c) Which deficiency disease is prevented by feeding on *cassava, rice, irish potatoes and maize*?

42. The diagram below shows a method of making water clean. Use it to answer the questions that follow.



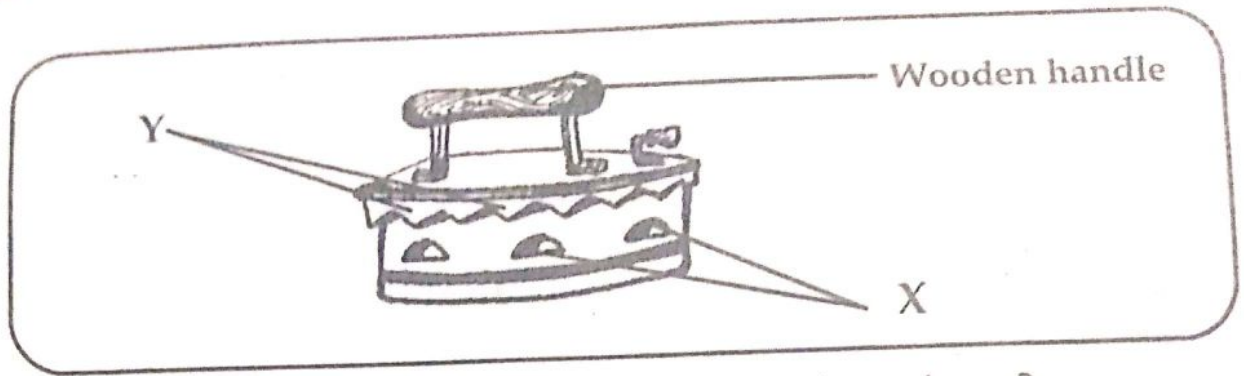
- (a) Name the **method of cleaning water** shown in the diagram above.
- (b) State **one** activity at home that involves the use of the above method.
- (c) Why is it **not good** to drink water obtained using the above method?
- (d) What can you do to make the above water **safe for drinking**?
43. (a) In which **one** way is the smelly jelly like substance found on the eggs of amphibians important?
- (b) Why are amphibians grouped under **cold blooded vertebrates**?
- (c) What do tadpoles use for **breathing**?
- (d) How do amphibians reproduce?
44. John got burnt by hot tea and blisters were formed on his foot.
- (a) Name the **degree of burn** he got on his foot.
- (b) What **First Aid** would you give him to reduce the pain?
- (c) Why is it not a good habit to burst the blisters that were formed on his foot?
- (d) Apart from the degree of burn named in (a) above, mention **one** other degree of burn.
45. (a) Which element of PHC is promoted by the following?
- (i) sweeping rubbish in the compound _____
- (ii) cutting long finger nails short. _____
- (b) State any **two** principles of PHC.
- (i) _____ (ii) _____

46. The diagram below shows the process of making charcoal. Use it to answer the questions that follow.



- (a) What is the importance of covering the pieces of wood with a layer of soil during charcoal making?
- (b) Give two ways how the above activity is dangerous to the environment.
- (i) _____
- (ii) _____
- (c) Write down any one use of charcoal in our homes.
7. (a) What do we call *the practice of covering soil with dry plant materials*?
- (b) State any two advantages of above practice to a crop farmer.
- (i) _____
- (ii) _____
- (c) Give one disadvantage of the above practice in the garden.
8. (a) How are the following tuber crops propagated?
- (i) Turnips _____ (ii) sweet potatoes _____
- (b) Why are irish potatoes regarded as stem tubers?
- (c) State one way of caring for tuber crops.
9. (a) Give two reasons why farmers prefer keeping exotic breeds of cattle over local breeds.
- (i) _____
- (ii) _____
- (b) Write down one way of improving the quality of local breeds of cattle on a farm.
- (c) Name one cattle disease.

50. The diagram below is of an iron box. Use it to answer the questions that follow.



(a) How are holes X and Y important on the iron box above?

(i) X : _____

(ii) Y : _____

(b) What is the advantage of making the handle of an iron box using wood?

(c) Why is the ironing part of iron box made of a metal?

51. (a) State two importance of drug prescription.

(i) _____

(ii) _____

(b) How is drug abuse different from drug misuse?

(c) Give one reason why people abuse drugs.

52. Match the items in list A and their meaning in list B.

List A

- (i) Shearing
- (ii) Furrowing
- (iii) Docking
- (iv) Lambing

List B

- Process of giving birth in pigs.
- Cutting short of a sheep's tail.
- Giving birth by a sheep.
- cutting off of wool from sheep.

(i) Shearing _____

(ii) Furrowing _____

(iii) Docking _____

(iv) Lambing _____

53. (a) Name the component of air used for preserving bottled drinks.

(b) Apart from the component of air named in (a) above, write down two other components of air.

(i) _____ (ii) _____
(c) Give one advantage of wind to crop farmers.

54. (a) In which one way does the use of ECOSAN latrines of an advantage to crop farmers?

(b) Give two problems faced by people who use flush toilets in urban areas.

(i) _____

(ii) _____

(c) Of what importance is the fly screen in a VIP latrine?

55. The table below shows groups of animals. Use it to answer the questions.

Q	R	T
Ostrich Eagle duck	Rabbit sheep bat	Frog newt salamander

(a) Give the general name given to animals in group T.

(b) Write one characteristic of animals in group R.

(c) How are animals in group Q similar to those in group R?

(d) Mention one way how reproduction in animals in group R different from those in group T.