



THE PRIME EXAMINATIONS 2023

PRIMARY SIX MID TERM III

INTEGRATED SCIENCE

Time allocated 2 hours 15 minutes



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- This paper has two sections: A and B. Section A has 40 questions (40 Marks) and Section B has 15 questions. (60 Marks)
- Answer ALL questions. All answers to both sections A and B must be written in the spaces provided.
- All answers must be written using a blue or black ball point pen or ink. Any work written in pencil will not be marked.
- Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
- Do not fill anything in the table indicated
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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		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (P.E.C)

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Turn Over

Section A. (40 Marks)

1. Name the intestinal worm that enters the body through eating undercooked Meat.

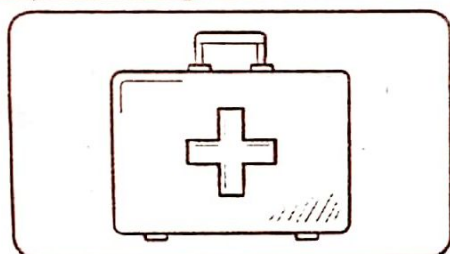
2. How does chlorination make water safe for drinking?

3. What happens to the diaphragm during inhalation?

4. Write down any one method of preparing food.

5. What happens to inflated balloons when put on water?

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



6. Name the tool shown in the diagram above.

7. Mention any one item kept in the tool shown in the diagram above.

8. How are poultry droppings useful to Aaron who is a crop farmer?

9. Name the part of an onion that stores manufactured food.

10. Write ABC in full as used in first aid.

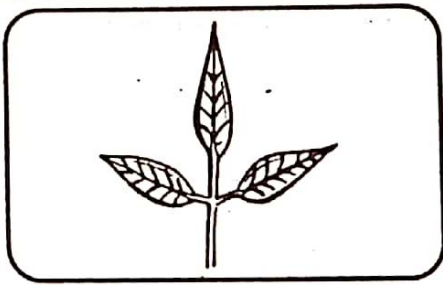
11. Name the sense organ used for feeling the pain of an insect bite.

12. State the importance of a queen excluder in a modern bee hive.

13. How can one vary the pitch of a bow harp?

14. State any one sign of measles in infants.

WARNING: Not to be reproduced electronically. Study the diagram below and use it to answer the questions 15 and 16.



15. Name the example of a compound leaf shown in the diagram above.
16. Apart from the example named in (15) above. Mention one other example of a compound leaf.
17. Which component of air is used as a raw material for respiration in man?
18. State a difference between *drenching* and *dosing*.
19. Give one way how bees are useful to plants.
20. Which force pulls objects towards the centre of the earth?
21. Give one way of making hard water soft.
22. Name the *type of teeth* used for tearing food.
23. State the speed of sound in air.
24. Name any one dangerous natural change in the environment.

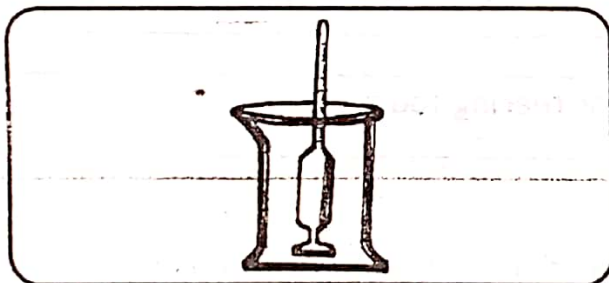
Study the diagram below and use it to answer questions 25 and 26 correctly.



25. Identify any one vulnerable person from the diagram above.

26. Give a reason why the person you have mentioned in (25) above regarded to be vulnerable.
27. State the use of methylated spirit when administering first aid.
28. Mention any one water borne disease in people.
29. Give one reason why people eat food.
30. Name the fungus used during fermentation process.
31. How are monotremes similar to birds in terms of reproduction?
32. Give any one role of a mother in a home.
33. State any one reason for raising a rabbit hutch above the ground.
34. Which element of PHC is promoted by washing hands after using a latrine?

Below is a diagram of an instrument used in cattle management. Use it to answer questions 35 and 36.



35. Name the instrument shown in the diagram above.
36. How is the equipment named in 36 above useful to a cattle farmer?
37. Where does digestion of food end in man?
38. Why are mushrooms unable to make their own food?
39. State one advantage of treating water using chemicals in steady of boiling.
40. Name the vector that spread bilharziasis to people.

Section B. (60 Marks)

41. (a) Give any two reasons for giving first aid to a casualty.

(i) _____

(ii) _____

- (b) State the reason for;

(i) dipping the burnt part in clean cold water.

(ii) not bursting blisters formed by a second degree burn.

42. (a) Name the clouds that bring rainfall to people.

- (b) Mention any two physical processes involved in a rain cycle.

(i) _____

(ii) _____

- (c) State the use of the sun in rain cycle.

43. Study the diagram below and use it to answer the questions that follow.



- (a) Which common accident did the victim shown in the diagram above face?

- (b) State the main cause of the accident named in (a) above.

- (c) Why was the victim laid as shown in the diagram above?

- (d) Name the accident that requires mouth to mouth breathing.

44. (a) Silting is the carrying of soil particles into water bodies. Give two disadvantages of silting.

(i) _____

(ii) _____

- (b) Mention two animals affected by silting.

(i) _____

(ii) _____

45. (a) Give two advantages of breast feeding to a mother.

(i) _____

(ii) _____

(b) State two conditions that may lead to early bottle feeding.

(i) _____

(ii) _____

46. Study the table below carefully and use it to answer questions that follow.

Q	R	S	T
Toads	Apes	Snakes	slugs

(a) How is the reproduction of animals in R different from the rest?

(b) In which one way are animals in Q, R and S similar?

(c) Name the group of vertebrates where animals in S belong.

(d) How are animals in group T different from other animals?

47. (a) Name two main sources of food in the environment.

(i) _____ (ii) _____

(b) Which food value prevents the following deficiency diseases;?

(i) kwashiorkor

(ii) Marasmus

48. (a) What is meant by the term *fever*?

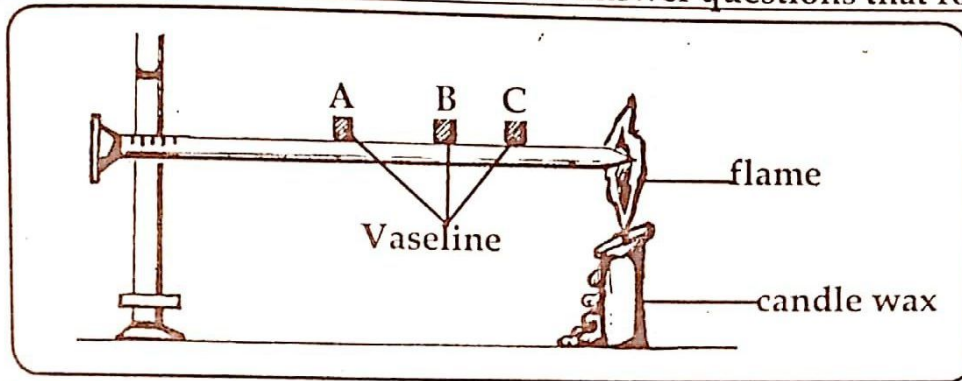
(b) Give any two signs of fever in humans.

(i) _____

(ii) _____

(c) State the first aid for fever.

49. Study the diagram below and use it to answer questions that follow.



- (a) Identify the piece of Vaseline that melts first.
- (b) Give a reason to support your answer above.
- (c) How does heat from the burning candle reach Vaseline?
- (d) Name the main source of heat in the environment.

50. (a) Name the component of air used for;
- (i) photosynthesis
- (ii) preserving semen of bulls for artificial insemination.

(b) Give any two properties of air.

(i)

(ii)

51. (a) Give any two ways of obtaining;

(a) safe water for drinking

(i)

(ii)

(b) clean water for domestic use.

(i)

(ii)

52. (a) Name the best soil for growing crops.

(b) Why is the soil named in (a) the best for growing crops?

(c) *Apart from growing crops*, give two other uses of soil to man.

(i)

(ii)

53. (a) Give two main causes of dehydration.

(i) _____

(ii) _____

(b) State two ways of rehydrating a dehydrated person.

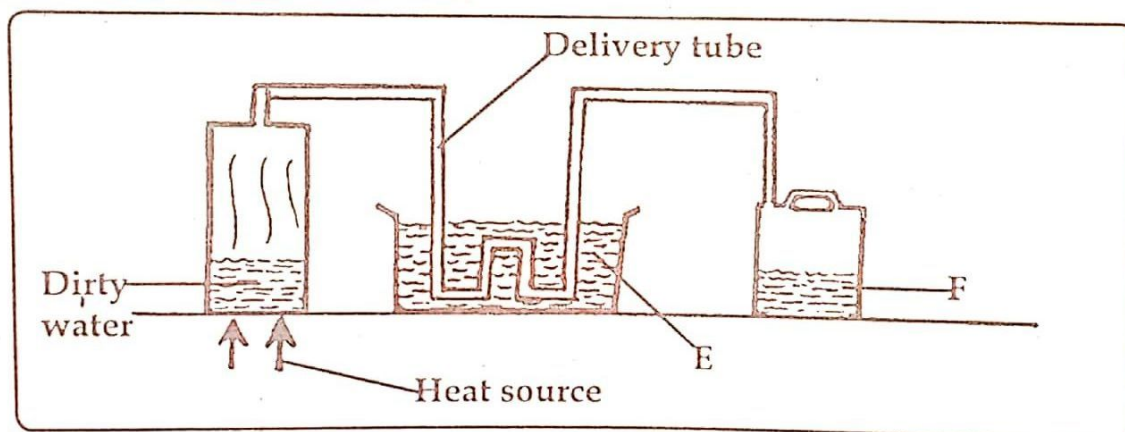
(i) _____

(ii) _____

54. Match the following respiratory diseases to the way how they are controlled prevented.

Disease	control/prevention.
(i) Lung cancer	wear warm clothes during cold weather.
(ii) Pneumonia	Avoid smoking tobacco cigarette.
(iii) Tuberculosis	immunizing using a DPT vaccine.
(iv) Diptheria	immunizing using a BCG vaccine.
(i) Lung cancer	_____
(ii) Pneumonia	_____
(iii) Tuberculosis	_____
(iv) Diptheria	_____

55. The diagram below shows a method of obtaining clean water. Use it to answer questions that follow.



(a) Which method of obtaining clean water is shown in the diagram above?

(b) What name is given to substance F from the diagram above?

(c) Why is the delivery tube coiled at E?

(d) Give one use of the water obtained at F.