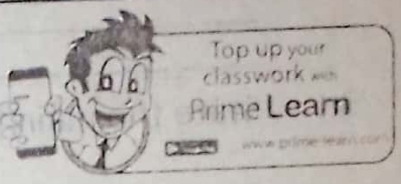
THE PRIME EXAMINATIONS 2023

PRIMARY SEVEN MID MARCH

INTEGRATED SCIENCE (*Abridged Curriculum*)

Time allocated 2 hours 15 minutes



Name:.....

Signature:.....

School:.....

District Name:.....

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions (**40 Marks**) and Section **B** has **15** questions. (**60 Marks**)

2. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in the spaces provided.

3. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.

4. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks.**

5. Do not fill anything in the table indicated **"FOR EXAMINERS' USE ONLY"**

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)

PUBLISHERS OF:-
THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

Section A (40 Marks)

1. Name **one** disease spread by **ticks** to people.

_____

_____

2. How far should a **pit latrine** be constructed from the main house?

_____

_____

3. State the main reason for giving First Aid to a casualty.

_____

_____

4. Name the **hormone** that helps in the ripening of fruits.

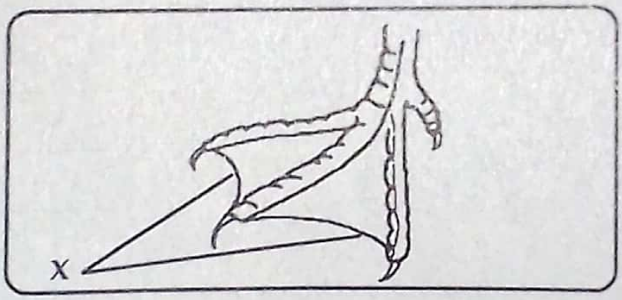
_____

_____

5. Which type of fuel is commonly used for cooking by most people in rural areas?

_____

The diagram below shows the foot of a bird. Use it to answer questions 6 and 7.



6. Name **part x** from the foot above.

_____

7. Which **type of birds** have the type of foot shown in the diagram above?

_____

8. Give a reason why the door of a VIP latrine should be left open when not in use.

_____

_____

9. How is a **BCG vaccine** administered to babies?

_____

_____

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0. Where does **fertilization** take place in a **flower?**

1. State **one** factor that determines the volume of sound.

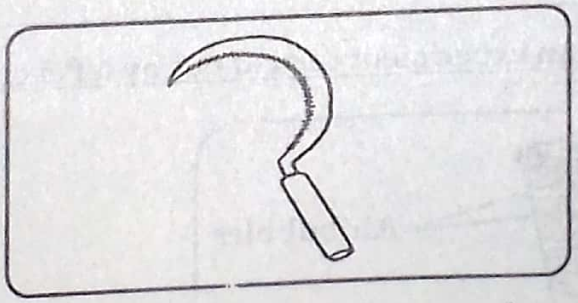
2. Give **one** effect of accidents to people.

13. Give any **one** quality of a good hutch.

14. Name the part of a fish that helps it to swim forward and increase speed.

15. State the importance of soaking clothes before washing.

The diagram below shows a garden tool. Use it to answer questions 16 and 17.



16. Name the garden tool shown in the diagram above.

17. How is the above garden tool useful to a crop farmer?

18. To which group of vertebrates do we categorise crocodiles?

19. Give the First Aid for a **third degree burn.**

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20. How does litter prevent the breaking of eggs in a poultry house?

21. Give any one way of promoting oral hygiene.

22. Mention one disease that can result from poor sanitation.

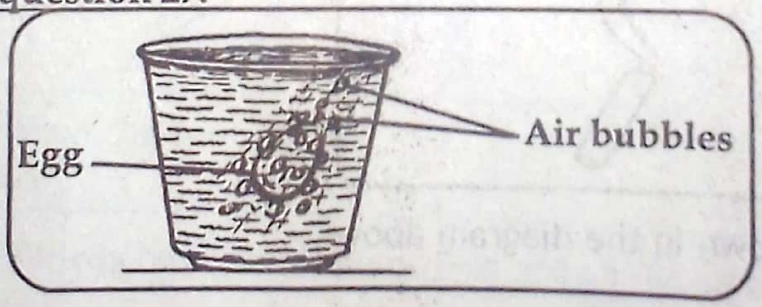
23. In which one way do bacteria help to prevent environmental pollution?

24. Why is it important to provide a shade on a cattle dip tank?

25. Which body organ is used to interprete information?

26. Give one factor considered when sorting clothes.

The diagram below shows an experiment carried out by a P.5 class. Use it to answer question 27.



27. What does the above experiment prove about an egg?

28. State the importance of blubbers to a sea mammal.

29. Name the weather instrument that measures the speed of wind in an area.

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30. Give any <u>one</u> danger of floods to people.

_____

_____

31. Name any <u>one</u> source of hard water.

_____

32. Give the main cause of **fainting**.

_____

_____

33. State <u>one</u> way how people can reduce the cutting down of trees for firewood.

_____

_____

34. How are molars of humans adapted to their function of crushing food?

_____

_____

35. Which element of PHC helps to prevent the death of mothers and their babies from delivery?

_____

_____

<u>The diagram below shows a way of giving First Aid. Use it to answer questions 36 and 37</u>

36. Which accident requires one to carry out the First Aid in the diagram above?

_____

37. Why does one carry out the First Aid in the diagram above?

_____

_____

38. How do tape worms enter into our bodies?

_____

_____

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39. Mention one example of information found on prescribed drugs.

_____

40. Which food value do we get from eating grasshoppers?

_____

Section B (60 marks)

41. (a) What is the meant by the term silting?

_____

_____

(b) Give two disadvantages of silting in the environment.

(i) _____

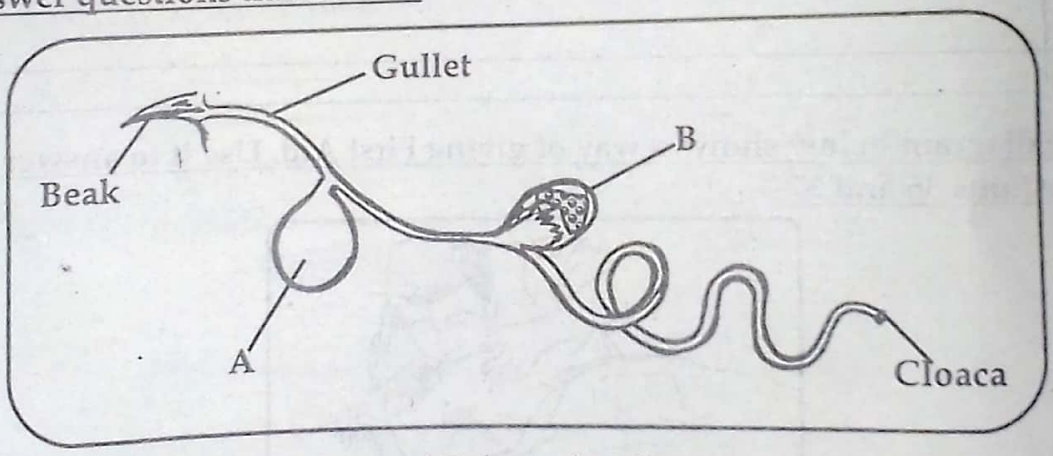
(ii) _____

(c) In which one way can we prevent silting around water bodies?

_____

_____

42. The diagram below is of a digestive system of a domestic bird. Use it to answer questions that follow.



(a) Name parts labelled A and B from the diagram above.

(i) A: _____ (ii) B : _____

(b) How is part B adapted to its function?

_____

_____

(c) Apart from picking food, give one other function of the beak to a domestic bird.

_____

_____

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43. (a) Which component of air;

(i) **supports burning of rubbish** _____

(ii) **preserves semen of bulls** _____

(b) Give <u>two</u> properties of air.

(i) _____

(ii) _____

44. (a) Why does blood go to the **kidneys** during circulation?

_____

_____

(b) What **adaptation** enables blood to flow in one direction within the heart?

_____

_____

(c) Name the substance formed when **haemoglobin** combines with oxygen.

_____

(d) Why is the right side of the heart **thin walled?**

_____

_____

45. <u>The table below shows groups of food values and food staffs. Use it to answer questions that follow.</u>

Group U	Group V	Group W
beans	dodo	honey
eggs	oranges	cassava
meat	cabbages	rice

(a) Which food value do we get from;

(i) **Group V:** _____

(ii) **Group W:** _____

(b) Name the **deficiency disease** prevented by eating **food staff U.**

_____

(c) Mention the best food for babies.

_____

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46. Give any two causes of;

(a) burns

(i) _____

(ii) _____

(b) scalds

(i) _____

(ii) _____

47. (a) Name any two types of soil.

(i) _____ (ii) _____

(b) Mention two examples of ceramics.

(i) _____ (ii) _____

48. (a) Name the two types of milking cattle.

((i) _____ (ii) _____

(b) Name the cattle instrument that;

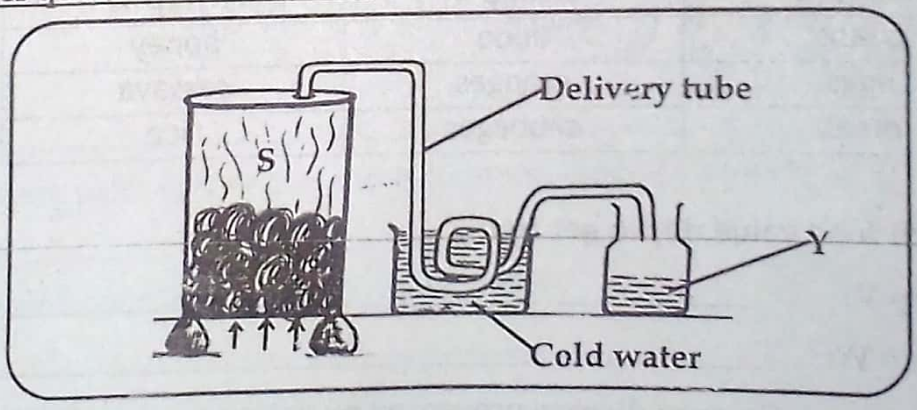
(i) detects the presence of mastitis in milk

_____

(ii) detects the presence of water in milk

_____

49. The diagram below is about a method of obtaining clean water. Use it to answer questions that follow.



(a) Name the process taking place at S.

_____

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

_____

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(c) Why is the **delivery tube** coiled in cold water?

_____

(d) Which scientific name is given to **substance Y**?

_____

50. (a) Name the **disorder of digestive system** that results from lack of roughages in the diet.

_____

(b) Give <u>two</u> ways of preventing the disorder named in (a) above.

(i) _____

(ii) _____

(c) In which <u>one</u> way can one avoid choking?

_____

51. (a) Give <u>two</u> causes of dehydration.

(i) _____ (ii) _____

(b) State any <u>two</u> signs of dehydration.

(i) _____

(ii) _____

52. **<u>Match the following terms to their meaning as used in Heat energy.</u>**

<u>Term</u>	<u>Meaning</u>
(i) Mass	is the gravitational force exerted on an object.
(ii) Weight	is the quantity of matter contained in an object.
(iii) Volume	is the ability to do work.
(iv) Energy	is the amount of space occupied by an object.

(i) **Mass** : _____

(ii) **Weight** : _____

(iii) **Volume**: _____

(iv) **Energy**: _____

53. (a) Apart from water dispersal, mention <u>two</u> other methods of dispersal.

(i) _____ (ii) _____

(b) Write down <u>two</u> seeds dispersed by water.

(i) _____ (ii) _____

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54. (a) Why do bees visit flowers?

_____

_____

(b) Give two characteristics of wind pollinated flowers at night?

(i) _____

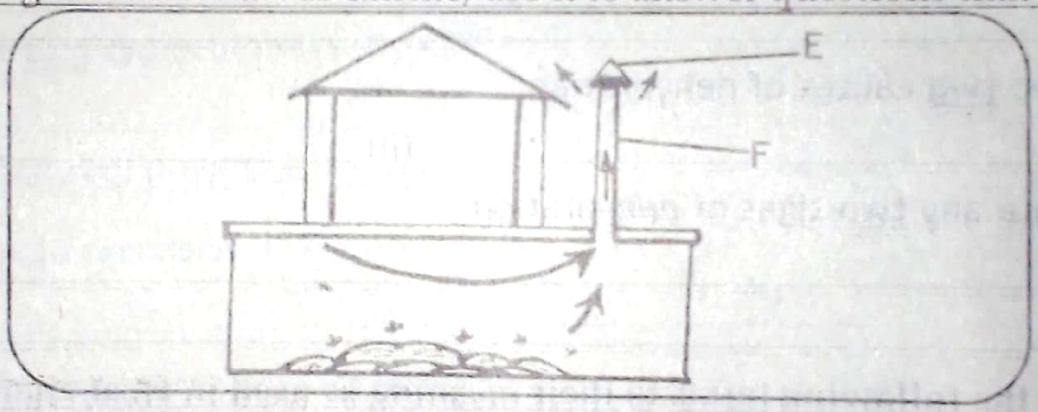
(ii) _____

(c) How is a moth able to pollinate flowers at night?

_____

_____

55. The diagram below a VIP latrine, use it to answer questions that follow.



(a) Name the parts marked E and F.

(i) E: _____ (ii) F: _____

(b) What is the function of part E from the diagram above?

_____

_____

(c) State the importance of arrows shown in the VIP latrine above.

_____

_____

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