



THE PRIME EXAMINATIONS 2023

PRIMARY SEVEN MID MARCH

INTEGRATED SCIENCE (Abridged Curriculum)

Time allocated 2 hours 15 minutes



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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"

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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 (ITC)

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.

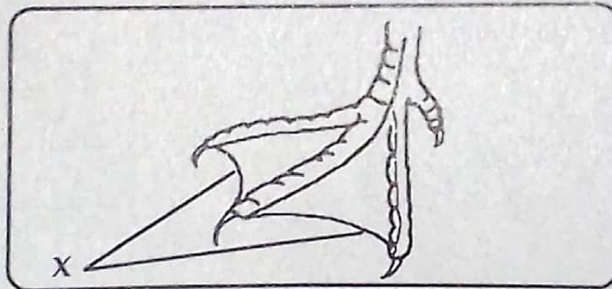
2. How far should a **pit latrine** be constructed from the main house?

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.

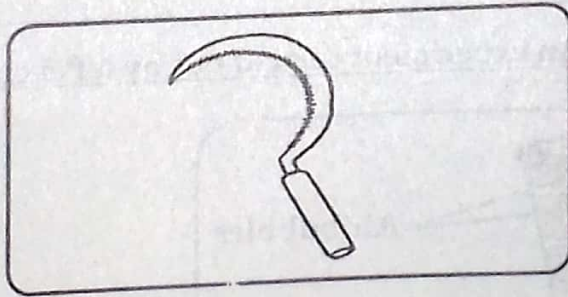
7. Which **type of birds** have the type of foot shown in the diagram above?

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?

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.

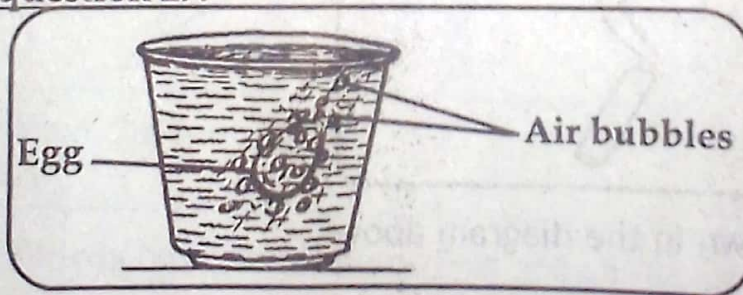
The diagram below shows a garden tool. Use it to answer questions 16 and 17.



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.

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 interpret 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.

30. Give any one danger of floods to people.

31. Name any one source of hard water.

32. Give the main cause of fainting.

33. State one 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?

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



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?

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?

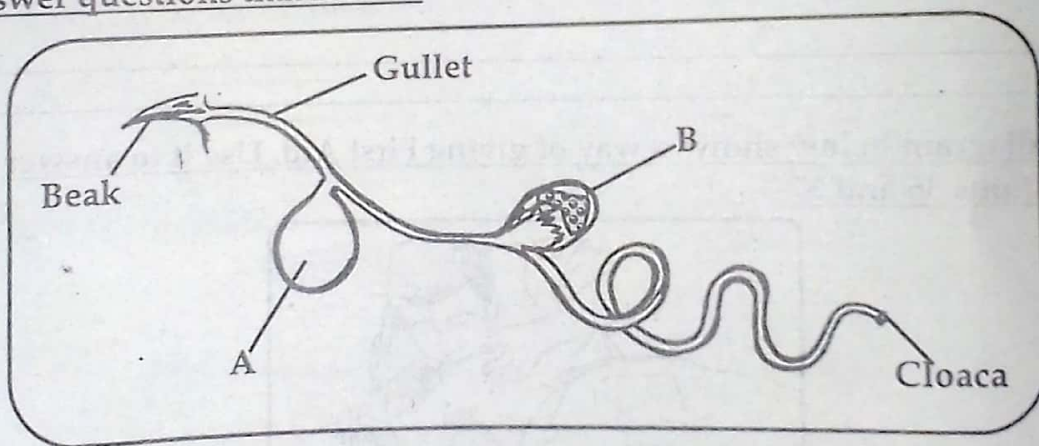
(b) Give two disadvantages of silting in the environment.

(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.

43. (a) Which component of air;
- (i) supports burning of rubbish _____
- (ii) preserves semen of bulls _____
- (b) Give two 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. The table below shows groups of food values and food staffs. Use it to answer questions that follow.

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.

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) _____

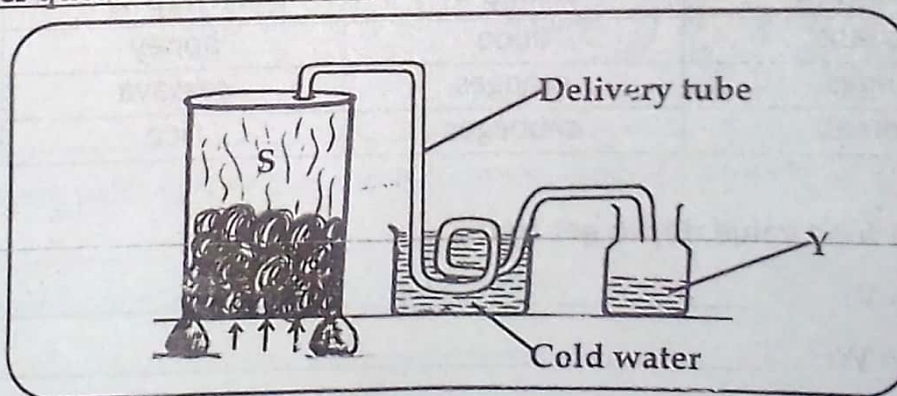
(ii) _____

(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?

(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 two ways of preventing the disorder named in (a) above.

(i) _____

(ii) _____

(c) In which one way can one avoid choking?

51. (a) Give two causes of dehydration.

(i) _____ (ii) _____

(b) State any two signs of dehydration.

(i) _____

(ii) _____

52. Match the following terms to their meaning as used in Heat energy.

<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 two other methods of dispersal.

(i) _____ (ii) _____

(b) Write down two seeds dispersed by water.

(i) _____ (ii) _____

54. (a) Why do bees visit flowers?

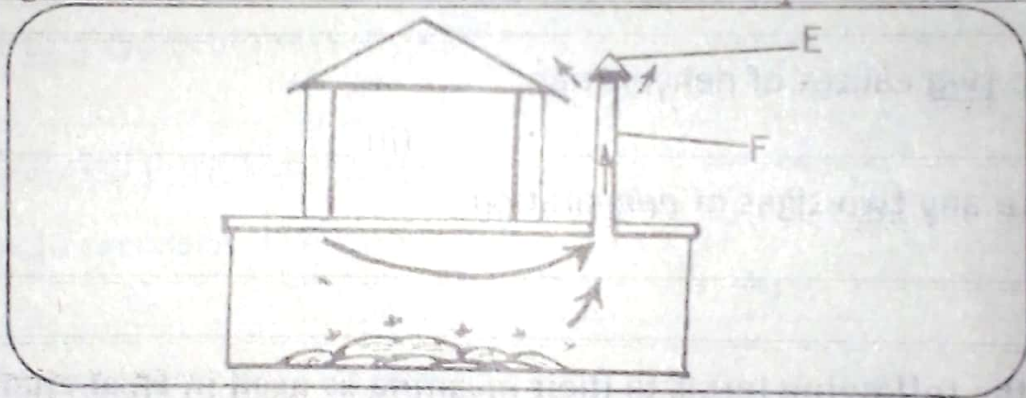
(b) Give two characteristics of wind pollinated flowers at night?

(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.