



THE PRIME EXAMINATIONS 2023

PRIMARY FIVE END OF TERM I

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 (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.

Turn Over

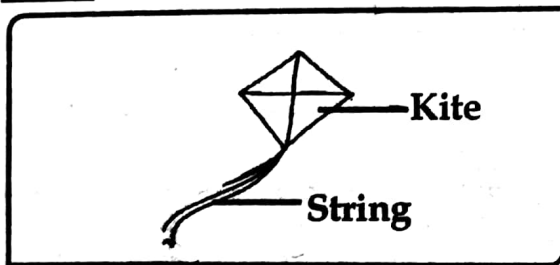
Section A (40 Marks)

1. Name the sense organ for tasting food.

2. Which type of feathers enable birds to fly?

3. Name one mineral salt lost during dehydration in young children.

The diagram below shows a structure of a kite. Use it to answer questions 4 and 5.



4. Which **element of weather** enables children to fly a kite?

5. Name the **property of air** that enables children to fly the kite shown in the diagram above.

6. Give one way of controlling soil erosion in hilly areas.

7. Mention one example of insect disease vector.

8. How do people benefit from sunbathing the morning sunshine?

9. Why should we include salt when preparing **ORS** locally at home?

10. Name the larva stage of a cockroach.

11. Which body organ is used to regulate blood sugars?

12. Why do some objects float when put on water?

13. Which layer of the soil profile favours the growth of crops?

14. - Name any one type of bees.

15. How is a moth able to pollinate flowers at night?

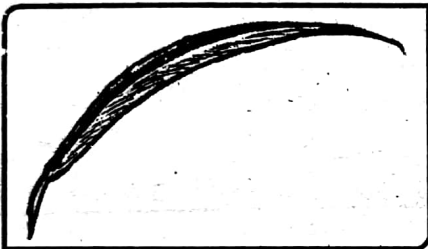
16. State one effect of tapeworm infestation to the body.

17. Name the *rabbit product* used in the textile tannery factory.

18. What name is given to *the mouth part of a housefly*?

19. Which type of family has *father, mother and their own children*?

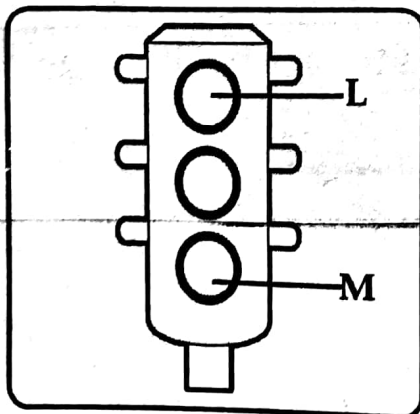
20. What type of venation is shown below?



21. Name the disease that attacks both *humans* and *poultry*.

22. In which one way are *cotyledons of a bean* seed similar to the *endosperm of a maize grain*?

Study the diagram of traffic lights shown below and answer questions 23 and 24.



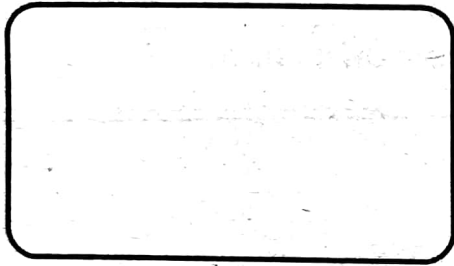
23. Name the part of traffic light marked with letter M.

24. Which role does part L play during traffic?

25. Name the *furthest clouds* in the sky.

26. State any one importance of mulching a banana plant garden.

27. In the space provided below, draw the garden tool used for collecting rubbish.



28. Give the meaning of *first aid*.

29. Name the *main product* obtained from merino sheep.

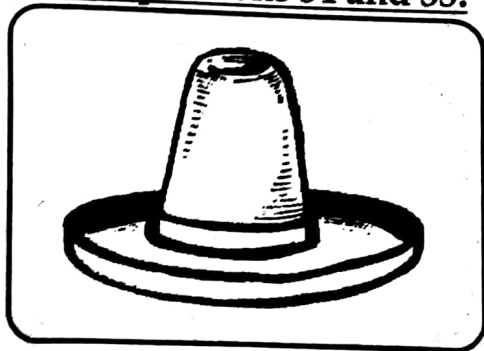
30. Write *ORS* in full.

31. What is the *incubation period* of a turkey?

2. Name the insect that provides people with honey.

3. In which one way is crop rotation useful to farmers?

The diagram below is of an equipment used at a poultry farm. Use it to answer questions 34 and 35.

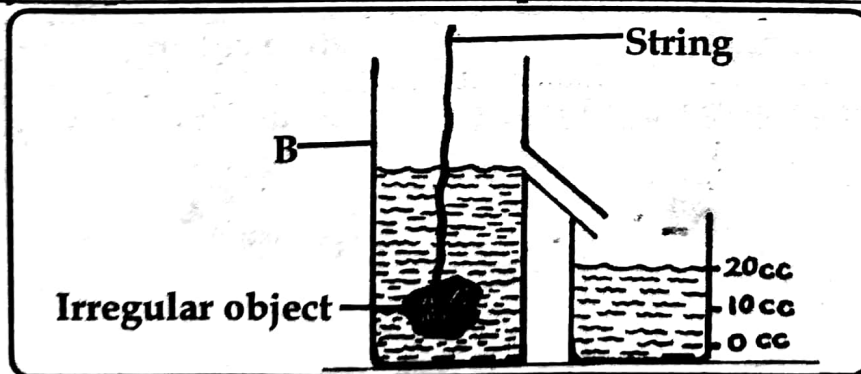


34. Name the *poultry equipment* shown in the diagram above.

35. State the use of the equipment mentioned in (34) above to a poultry farmer.
-
36. Name any one record kept on a rabbit farm.
-
37. What name is given to *plants that bear flowers*?
-
38. Give any one quality of a good storage facility.
-
39. State the use of a dustbin in a class.
-
40. How does a deep litter system of rearing poultry protect birds from wild animals?
-
-

Section B (60 Marks)

41. (a) Mention any two requirements of a clean home.
(i) _____ (ii) _____
(b) State any two ways how school children can promote good sanitation.
(i) _____
(ii) _____
42. **The diagram below shows a method of finding volume of an irregular object. Study it and use it to answer the questions that follow.**



- (a) Name the method of finding volume of the irregular object shown in the diagram above.
-
- (b) What is the volume of the irregular object above?
-
- (c) Name the container marked B
-
- (d) State the role of the string in the above experiment.
-

43. (a) *Apart from ear canker*, name any one other disease that attacks rabbits.

(b) State one sign of ear canker in rabbits.

(c) Give two ways farmers can care for their rabbits.

(i)

(ii)

44. (a) Define the term *swarming*?

(b) State any two causes of swarming.

(i)

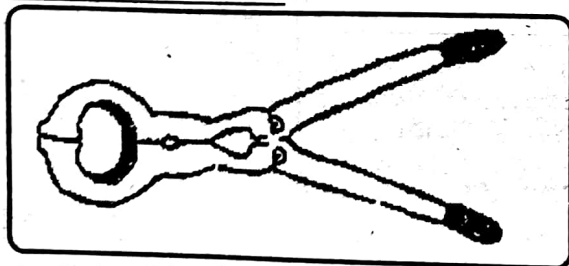
(ii)

(c) Mention one method of extracting honey from honey combs.

45. Study the table below carefully and complete it correctly.

Tuber crops	Way of propagation.
(a) carrots	
(b)	potato vines
(c) Irish potatoes	
(d)	stem cutting

46. The diagram below is of a tool used in managing goats, use it to answer questions that follow.



(a) Name the tool shown in the diagram above.

(b) Which *type of castration* is carried out using the tool named in (a) above?

(c) Give two advantages of castrating male goats.

(i)

(ii)

47. (a) Apart from monkeys, name two other animal pests which destroy root crops in the garden.

(i) _____ (ii) _____

(b) State two ways in which root crops like sweet potatoes can be protected from being destroyed by monkeys.

(i) _____

(ii) _____

48. (a) Write down any two natural causes of change in the environment.

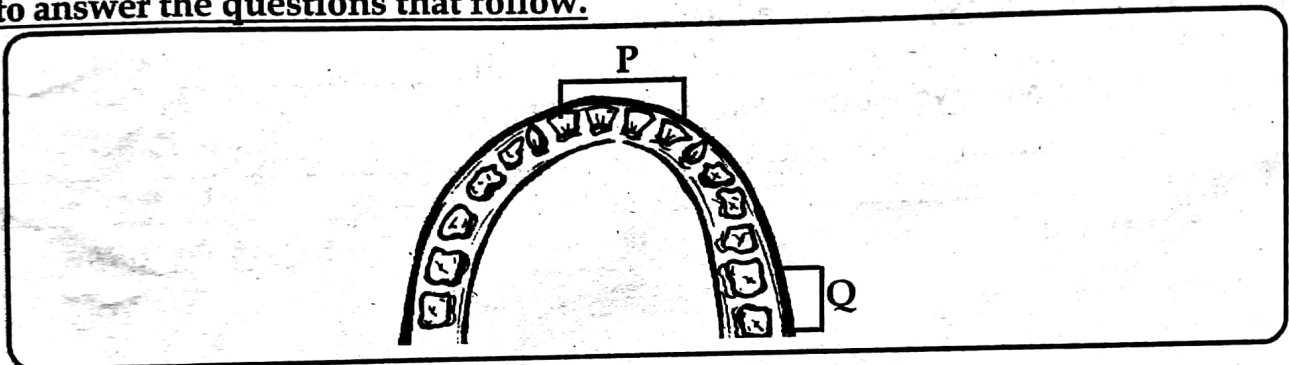
(i) _____ (ii) _____

(b) Give two ways in which irrigation promotes crop growing in dry areas.

(i) _____

(ii) _____

49. The diagram below shows the arrangement of milk teeth in the mouth. Use it to answer the questions that follow.



(a) Name the type of teeth labeled with letter P and Q.

(i) P _____

(ii) Q _____

(b) Mention any two diseases that affect the teeth.

(i) _____

(ii) _____

50. (a) Which name is given to *food manufactured by plants during photosynthesis*?

(b) Write down any one necessary requirement for photosynthesis in plants.

(c) Give the importance of each of the following during photosynthesis.

(i) Sunlight energy _____

(ii) Water _____

51. (a) Write down two activities children do to keep the environment clean.

(i) _____ (ii) _____

(b) State one way children can promote poor hygiene at school.

(c) Mention any one item children use to keep the environment clean.

52. Match the following weather elements in A to their functions in B.

<u>A</u>	<u>B</u>
(i) Rain gauge	shows direction of wind.
(ii) Barometer	measures speed of wind.
(iii) Anemometer	measures amount of rainfall.
(iv) Wind vane	measures air pressure.
(i) Rain gauge :	_____
(ii) Barometer :	_____
(iii) Anemometer:	_____
(iv) Wind vane :	_____

53. (a) State any two fuels used at home.

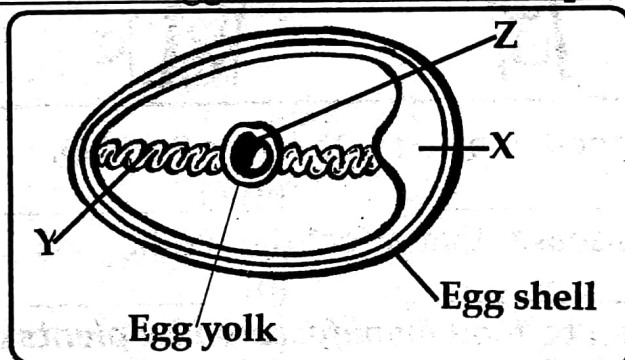
(i) _____ (ii) _____

(b) State any two ways of saving fuel at home.

(i) _____

(ii) _____

54. Study the diagram of an egg below and answer questions that follow.



(a) Identify part marked Z and Y.

(i) Z _____ (ii) Y _____

(b) Which *food value* do we get when we eat an egg?

(c) How important is part X to an egg?

55. (a) A part from *free range system*, name any other two systems of keeping poultry.

(i) _____ (ii) _____

(b) Give two advantages of free-range system of keeping poultry.

(i) _____

(ii) _____