



THE PRIME EXAMINATIONS 2023

PRIMARY SEVEN BEGINNING 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. Sections A has 40 (40 Marks) questions 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:

[Signature]

Consultant

Integrated Science Department (PEC)

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THE PRIME; SCHEMING FRAMEWORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

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Turn Over

Section A (40 Marks)

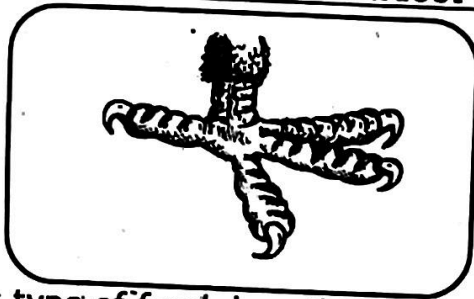
1. Name one product obtained from cattle.

2. State one common sign of a person who is dehydrated.

3. Name the *deficiency disease* that may result due to lack of enough vitamin C in the diet.

4. Which state of matter has its molecules widely spaced?

The diagram below shows a foot of a bird. Use it to answer questions 5 and 6.



5. What type of food does the type of bird feed on?

6. Identify one example of a bird with such a foot.

7. Why is lightning seen before thunder is heard during storm?

8. Name one danger of buying drugs from local shops.

9. Mention one device used to store sound.

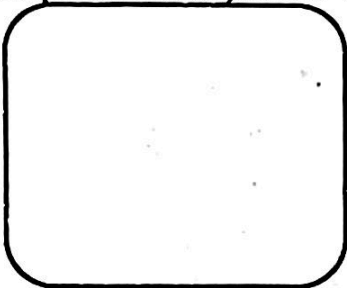
10. Give one way in which man benefits from trees in the compound.

11. Which part of a mushroom produces and stores spores?

12. Name the part of the human ear that collects sound waves.

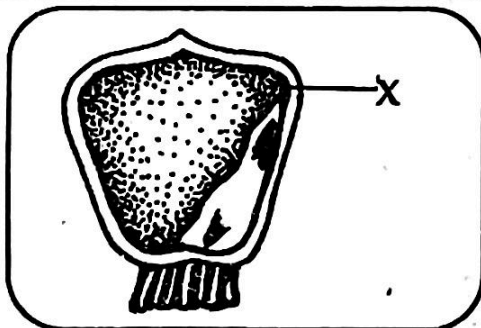
13. Given the following list; housefly, tick, grasshopper, and butterfly. Why do you take the tick to be the odd man out?

14. Which element of *Primary Health Care* is effectively used to control childhood immunisable diseases?

15. In the space below, draw the structure of a white blood cell.

16. State one cause of swarming in bees.

17. How does smoking affect the health of an individual?

The diagram below is of a maize grain. Use it to answer the question 18.



18. State the function of part marked with letter X.

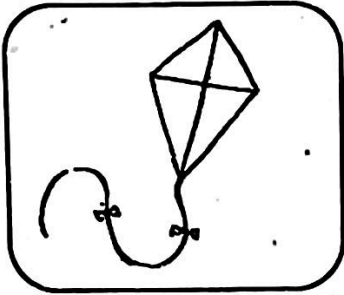
19. Give one advantage of docking sheep.

20. What is meant by the term *weathering* as used in soil?

21. Give a reason why a sugarcane plant is not grouped under stem tubers.

22. State one reason why farmers mulch their gardens.

23. Which *element of weather* enables children to play with the item in the diagram below?



24. How are canine teeth important to cat family?

25. Why are bees called social insects?

26. Why are farmers advised to castrate male animals on the farm?

27. Mention one body organ damaged by excessive consumption of alcohol.

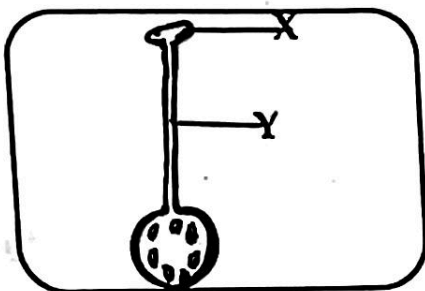
28. How is reproduction in fish similar to that of a frog?

29. Give the first aid for burns and scald.

30. What is the main importance of valves during blood circulation?

31. Why is a male *anopheles mosquito* regarded as a vector?

The diagram below shows a part of a flower. Use it to answer questions 32 and 33.

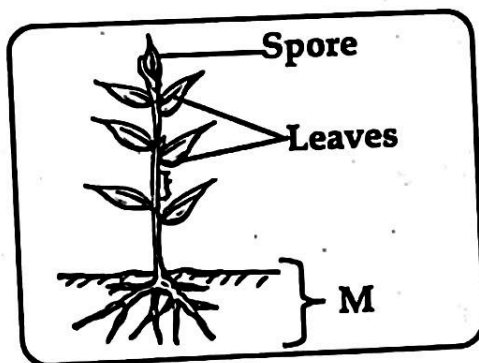


32. Name the part marked X from the diagram above.

33. Which *general name* is given to the part of the flower shown in the diagram above?

34. Name one common method of preserving cereals.

35. The diagram below is of a non-flowering plant, use it to answer the questions about it.



36. State the importance of the spore case.

37. How is the above plant in the diagram able to make its own food?

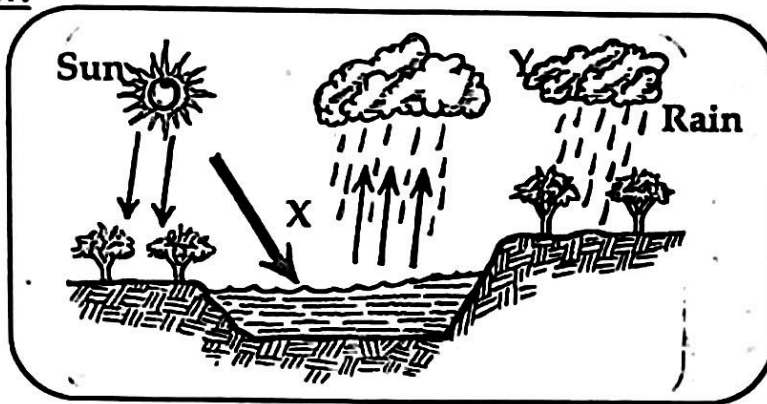
38. Give one dangerous chemical contained in tobacco smoke.

39. Mention one example of a mollusc.

40. What name is given to the poison produced by snakes?

Section B (60 Marks)

41. The diagram below shows a rain cycle. Use it to answer the questions that follow.



(a) Name the process that happens at point X from the diagram above.

(b) By what process is Y formed in the diagram?

(c) Mention the role of the sun in the above diagram.

(d) How is the rain cycle important in the environment?

42. Name the type of change that occurs when;

(i) Wood burns into ash; _____

(ii) A seed germinates; _____

(iii) Ice melts to water; _____

(iv) Boiling an egg; _____

43. (a) State one importance of bacteria in our environment.

(b) How do bacteria reproduce?

(c) In which way can bacteria be dangerous to man?

(d) Name any one disease caused by bacteria to man.

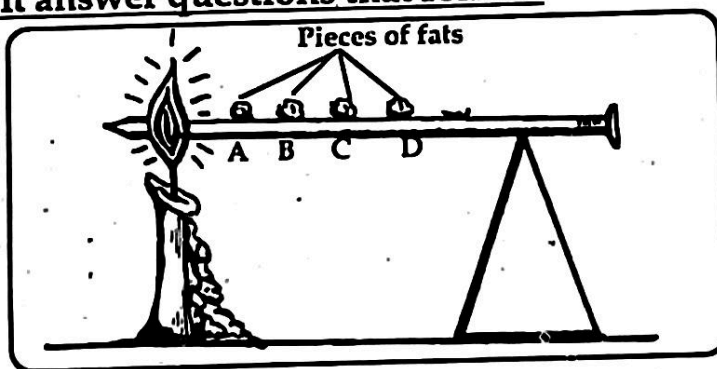
44. (a) What is the use of forked tongue to a snake?

(b) Give one example of poisonous snakes.

(c) What first aid would be given to a person who has been bitten by a poisonous snake?

(d) State the use of a tourniquet to the victim of snake bite.

45. The diagram below is an experiment done by a P.7 class on an effect of heat. Use it answer questions that follow.



(a) Which piece of fats will melt first?

(b) Give a reason to support your answer in (a) above.

(c) By what process does heat reach fat D?

(d) State the effect of heat gain on metals.

46. (a) Give one reason why people drink alcohol.

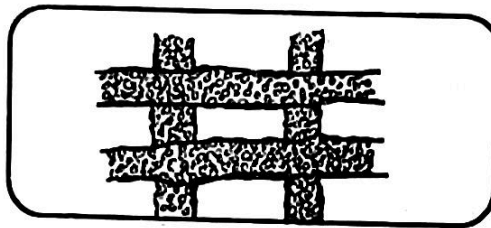
(b) Write down two methods of making alcohol.

(i) _____

(ii) _____

(c) State one law related to alcohol taking in Uganda.

47. The diagram below shows eggs laid by an amphibian. Use it to answer questions that follow.



(a) Which amphibian lay such eggs?

(b) How are the eggs above protected from being eaten by fish in water?

(c) What type of fertilisation takes place in amphibians?

(d) How are amphibians similar to birds?

48. (a) Give one way how soil is formed.

(b) Name two components of soil.

(i) _____

(ii) _____

(c) State one way of maintaining soil fertility.

49. (a) Give one example of a plant which is propagated by a rhizome.

(b) What are stem tubers?

(c) Give any two examples of stem tubers.

(i) _____ (ii) _____

50. (a) Apart from chlorophyll, name one other condition necessary for Photosynthesis.

(b) How is chlorophyll important during photosynthesis?

(c) Give any one by-product of photosynthesis.

(d) Name the food made by plants during photosynthesis.

51. The table below shows terms used in keeping poultry and their meanings, study and complete it correctly.

Term	meaning
(i) Incubation	_____
(ii) _____	is a castrated male bird.
(iii) Moulting	_____
(iv) _____	is the giving of special care to young chicks.

52. (a) What term describes ability of the body to resist diseases?

(b) Give one way how a baby can acquire immunity.

(c) How are the following vaccines administered to a baby's body?

(i) Polio vaccine

(ii) BCG vaccine

53. Give the weather instrument used to measure the following.

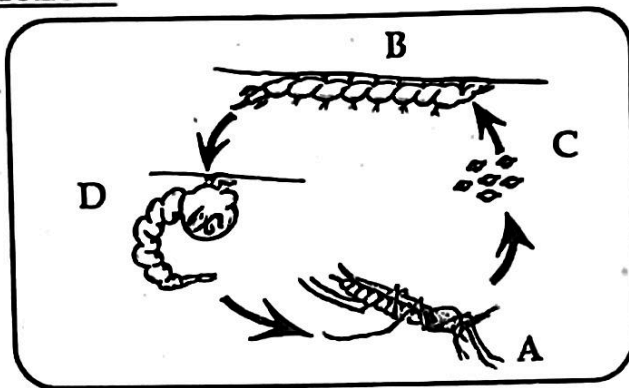
(i) The speed of wind

(ii) The wind direction

(iii) Humidity

(iv) Amount of rainfall received

54. The diagram below shows a certain disease vector. Use it to answer questions that follow.



(a) Name the type of mosquito whose lifecycle is shown in the diagram.

(b) How does fish help to break the lifecycle of the vector above?

(c) Name the disease spread by the vector to man.

(d) Identify the stage marked with letter A on the diagram above.

55. (a) How is COVID 19 related to AIDS in our community?

(b) Write the following in full form.

(i) COVID 19

(ii) HIV

(c) Mention any one vaccine that can be used to fight against the spread of COVID 19.