



THE PRIME EXAMINATIONS 2023

PRIMARY FIVE MID TERM III INTEGRATED SCIENCE

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
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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 (PFC)

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)

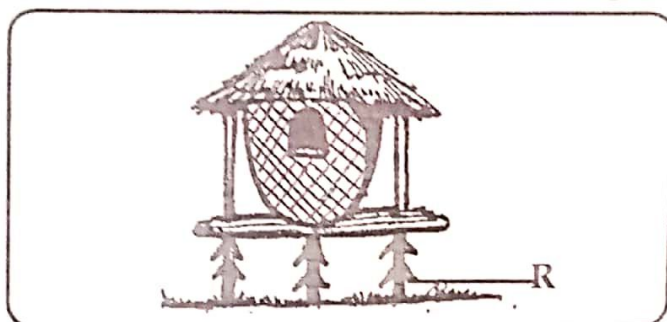
1. In which state of matter is ice?

2. Why do poultry farmers debeak their birds.

3. Name any one type of energy possessed by a rolling object.

4. How are prop roots important to a maize plant?

Use the diagram below to answer the questions 5 and 6..



5. Name the storage facility drawn above.

6. State the importance of part marked R on the facility above

7. How does mulching improve on the fertility of soil?

8. Name one physical process that forms rain.

9. Which type of honey bees protect the hive?

10. Name any one item found in a deep litter house.

11. *Wamala a primary one boy has skin rash, red eyes and runny nose. Which childhood immunisable disease is he suffering from?*

12. Mention one food stuff rich in vitamins.

13. Give one importance of bacteria in the environment.

14. Why do farmers keep *exotic breeds* of chicken other than *local breeds* of chicken?

15. Name one process that forms soil.

Study the diagram below and answer the questions 16 and 17 correctly.



16. Name the bee hive drawn above.

17. State the main role of queen bees in a bee hive.

18. Why should metallic garden tools be kept in a cool dry place?

19. Convert 15°C to Fahrenheit.

20. Name one process that takes place in the ileum.

21. Give any one reason why vaccines are administered on different parts of the body.

22. Which instrument is used to measure the human body temperature?

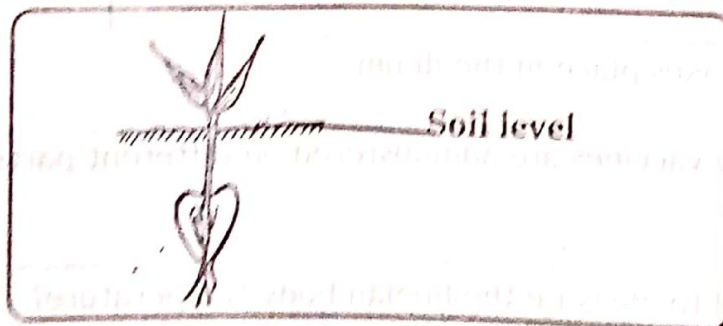
23. Give one way of promoting oral hygiene.

24. Name one solute used in preparation of ORS.

25. How does a person sitting near fire receive heat?

26. Which set of teeth in man appear at a mature age?
27. Give one way of acquiring immunity.
28. What are conductors of heat?
29. Which component of air is used to preserve bottled drinks?
30. Why are Irish potatoes regarded as stem tubers?
31. How does terracing control soil erosion?
32. Name one enzyme found in gastric juice.
33. Give any one site of children during immunization days.
34. How is reproduction in bacteria different from that of yeast?
35. Give one condition needed for rusting to take place.
36. State a reason why ascorbic acid is not digested in the body.

Study the diagram below carefully and answer questions 37 and 38.



37. Name the type of germination shown in the diagram above.
38. State one example of plants that can undergo the type of germination shown above.
39. Give one importance of keeping domestic animals.

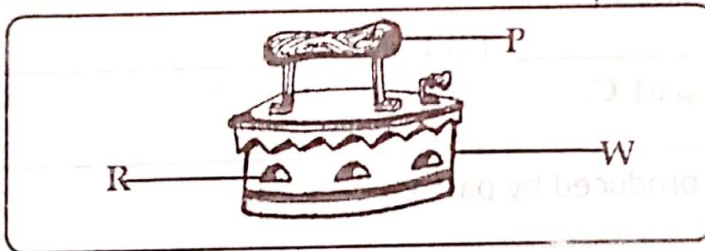
40. Write one difference between *physical changes* and *chemical changes*.

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Section B (60 Marks).

41. (a) What type of change occurs when?
- (i) Wood burns to ash _____
- (ii) A pupa turns into adult _____
- (b) Give one advantage of biological changes in plants.
- (c) Name any one component of the environment.
42. (a) What is meant by the term *poultry vices*?
- (b) Write down two examples of poultry vices.
- (i) _____ (ii) _____
- (c) Give one way how farmers with local breeds of poultry boost the production records.

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



- (a) Name one material used to make part P.
- (b) How important is the above item to people at home?
- (c) Why is part W made of materials like iron?
- (d) State the importance of part R when the above ironing box is in use.
44. (a) Which weather instrument measures;
- (i) sunshine _____
- (ii) strength of wind _____
- (b) Give two importance of wind.
- (i) _____
- (ii) _____

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45. (a) Give two ways of controlling communicable diseases.

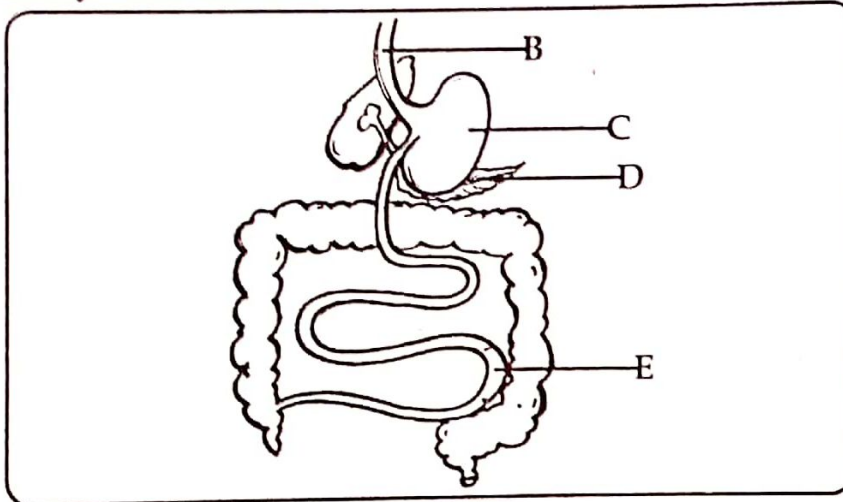
(i) _____

(ii) _____

(b) Mention one way communicable diseases can be spread.

(c) Write one example of communicable diseases.

46. The diagram below shows part of the digestive system. Use it to answer questions that follow.



(a) Identify parts marked D and E.

(i) D _____ (ii) E _____

(b) State the importance of part C.

(d) Give the digestive juice produced by part C.

47. (a) Write the uses of the following items in promoting personal hygiene.

(i) tooth brush

(ii) clean water

(b) Write down one danger of poor personal hygiene.

(c) Give a reason why we use soap when washing our hands.

48. (a) Which part of a leaf serves the same function as spiracles of a bee.

(b) Name the plant process that requires carbon dioxide to take place.

49. (c) State the importance of the following parts of a plant.

(i) Root hairs

(ii) Root nodules

50. (a) Give one example of each of the following;

(i) useful fungi

(ii) harmful fungi

(b) Name the part of a mushroom that produces spores.

(c) How do most fungi reproduce?

51. (a) What do we call *the clear liquid collected after filtration of juice?*

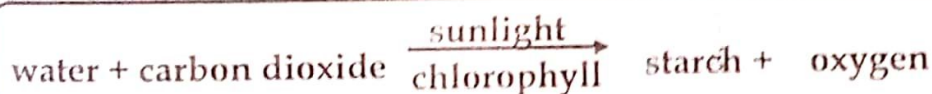
(b) Give two ways of separating mixtures.

(i)

(ii)

(c) Give one example of a solvent.

52. The equation below represents a plant process. Use it to answer questions that follow.



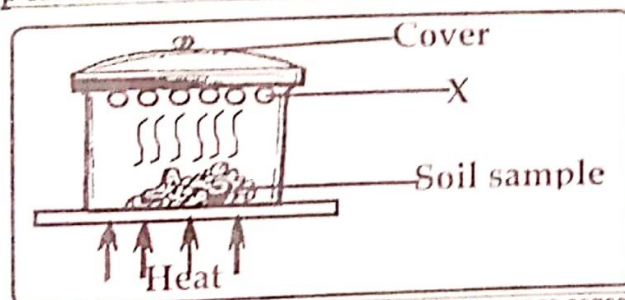
(a) Name the plant process shown in the diagram above.

(b) State the use of chlorophyll in plant process above.

(c) Identify the bi-product from the above process to animals.

(d) How important is the above process to animals?

53. Below is an experiment about soil, use it to answer the questions that follow.



- (a) Name the substance marked X.
- (b) What does the experiment above show about soil?
- (c) Name the component of soil that was investigated in the above experiment.
- (d) Why is loam soil the best for growing most of the crops?

53. (a) State two methods of plant training.

(i) _____

(ii) _____

(b) Write two advantages of plant training.

(i) _____

(ii) _____

54. (a) How does castration control breeding in goats.

(b) Name two methods of castrating goats.

(i) _____

(ii) _____

(c) Name the best system of rearing goats in urban areas.

55. Match the following correctly.

<u>Disease</u>	<u>cause</u>
(i) Cholera	Plasmodia
(ii) Typhoid	Vibrio cholera
(iii) Malaria	Fungus
(iv) Ringworm	Salmonella typhi
(i) Cholera	_____
(ii) Typhoid	_____
(iii) Malaria	_____
(iv) Ringworm	_____