



THE **PRIME EXAMINATIONS** 2024

P.6 END OF TERM II

INTEGRATED SCIENCE (New 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"

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.

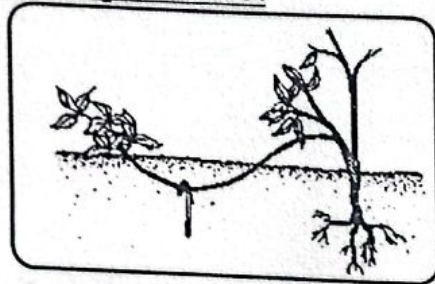
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Turn Over

Section A. (40 Marks)

1. Name the group of living things which uses chlorophyll and sunlight to make their own food.
2. Apart from machine milking, give one other type of milking in cattle keeping.
3. Give any one reason for proper boiling of cassava before eating.
4. How do cattle farmers obtain hybrids?

The diagram below is of a method of artificial vegetative propagation. Study and use it to answer question 5.



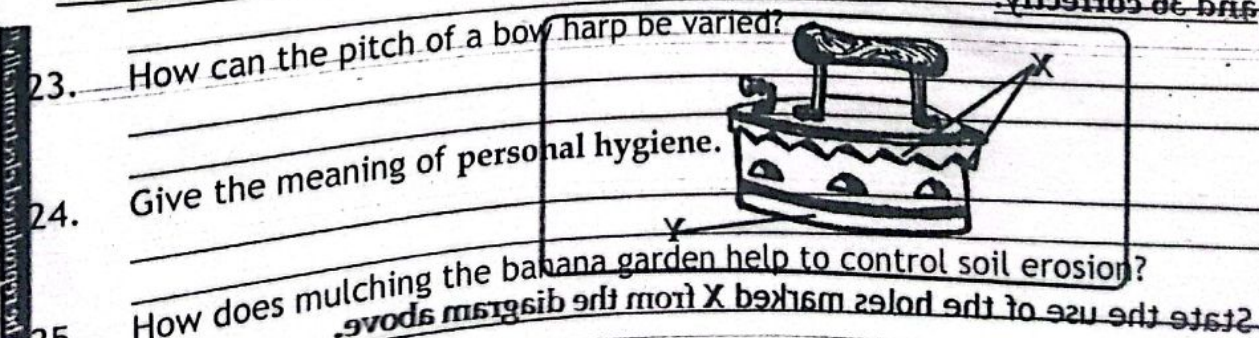
5. Which method of artificial vegetative propagation is shown in the diagram above?
6. Name the vector that spreads malaria to people.
7. What happens to the lungs during inhalation?
8. Why is the sun grouped among renewable resources?
9. Which element of PHC helps to control deficiency diseases?
10. Where does respiration take place in the body of human beings?
11. How is washing of hands before milking important to man?
12. Which element of weather favours crop growing?
13. How are rodents similar to scorpions in terms of reproduction?
14. Which immunizable disease has the same signs like AIDS?

The diagram below is of a human organ. Study and use it to answer questions 15 and 16 correctly.



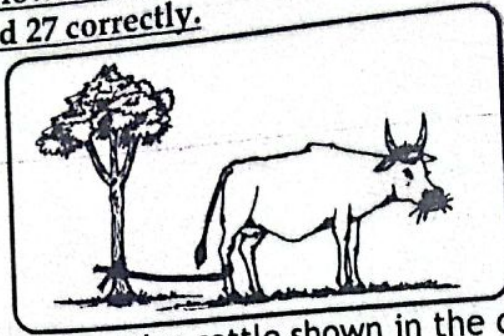
15. State the use of the above organ to human beings.
16. Which kind of blood flows in chamber A?
17. Give a reason why mushrooms are not grouped among plants.
18. How is sterilizing the food a useful process?
19. Give any one sign of a cow on heat.
20. Name any one plant fibre.
21. Which type of soil is described by having fine particles?

The diagram below is of an iron box. Study and use it to answer questions 23 and 24 correctly.



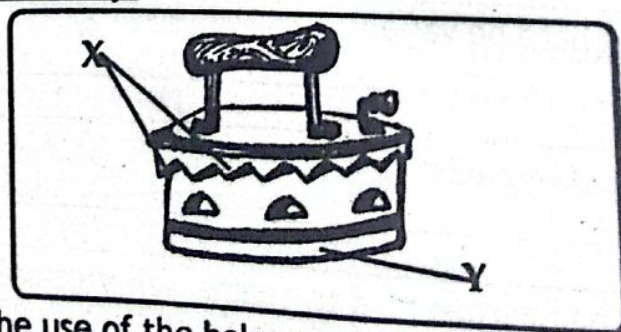
23. How can the pitch of a boy harp be varied?
24. Give the meaning of personal hygiene.
25. How does mulching the banana garden help to control soil erosion?
26. How does heat reach part Y when ironing clothes?

The diagram below shows a system of grazing cattle. Study and use it to answer questions 26 and 27 correctly.



26. Name the system of grazing cattle shown in the diagram above.
27. Give one advantage of grazing cattle using the system shown above.
28. State any one reason for weaning babies at 6 months.
29. Give one way of preventing choking when eating food.
30. Write any one piece of information found on prescribed drugs.
31. Give a reason why legumes are included in crop rotation cycle.
32. Name one disease that affects the udder of cows.
33. State the reason why the scales of the fish are arranged facing backwards.
34. How is the soil useful to white ants?

The diagram below is of an iron box. Study and use it to answer questions 35 and 36 correctly.



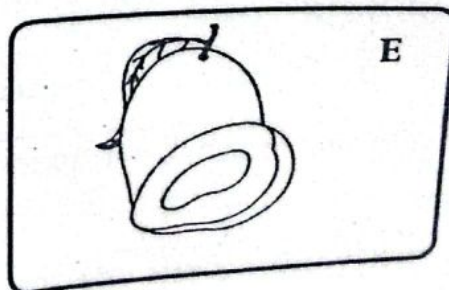
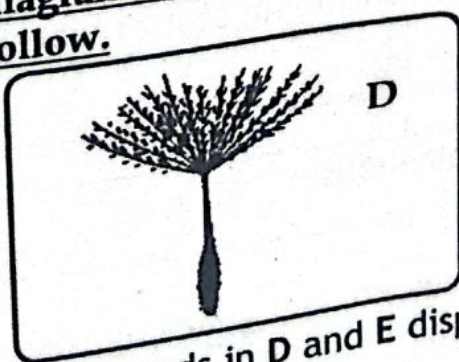
35. State the use of the holes marked X from the diagram above.
36. How does heat reach part Y when ironing clothes?

37. Which blood vessel carries blood from the lungs to the heart?
38. In which one way is pine similar to soya beans in term of propagation?
39. Name one physical process involved in a water cycle.
40. How is a pit latrine useful in a school?

Section B. (60 Marks)

41. (a) What is meant by the term **respiration**?
- (b) Give the use of the following during inhalation;
- (i) cilia
- (ii) mucus
- (c) Identify one waste product of respiration.
42. (a) Name the structures on worker bees used for carrying pollen.
- (b) Give any two duties of worker bees in the hive.
- (i) _____
- (ii) _____
- (c) Why is the queen excluder in a top bar hive made with small holes?

43. The diagram below shows different seeds. Study and use it to answer questions that follow.



- (a) How do seeds in D and E dispersed?
- (i) D _____ (ii) E _____
- (b) Give two characteristics of seeds and fruits dispersed by water.
- (i) _____
- (ii) _____

48. (a) How does carbon dioxide help in soda preservation?

(b) State the danger of oxygen and water on ungalvanised metals.

(c) *Apart from preserving bottled drinks*, give two other uses of air as a resource.

(i) _____

(ii) _____

49. (a) How do the following worms enter into our bodies;

(i) Tapeworms

(ii) Hookworms

(b) Give two ways of preventing and controlling worm infestation in humans.

(i) _____

(ii) _____

50. Match the following parts of the circulatory system in A to their functions in B.

A

(i) Vena cava

(ii) Septum muscles

(iii) Aorta

(iv) Valves

B

carries deoxygenated blood from all parts of the body to the heart.

carries oxygenated blood from the heart to all parts of the body.

allows blood to flow in one direction.

separates the heart into the left and right side.

(i) Vena cava

(ii) Septum muscles

(iii) Aorta

(iv) Valves

51. (a) Name the main natural source of water in the environment.

(b) Give the use of a rain gauge in agricultural farms.

(c) In which units is rainfall measured?

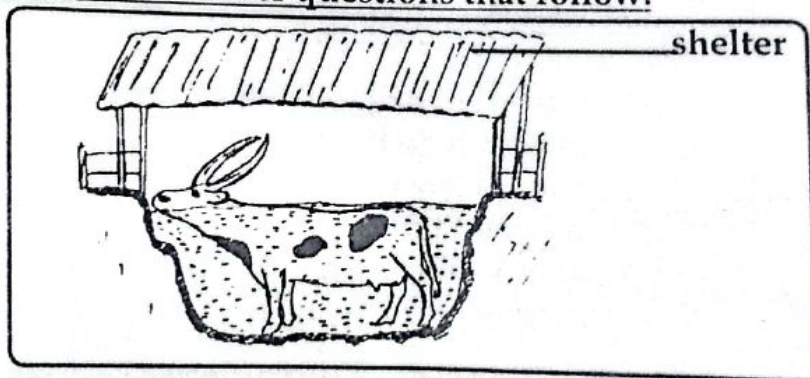
(d) Give a reason why rainfall is measured in the units named in (c) above.

52. (a) How are coniferous plants similar to flowering plants in terms of production?
(b) Mention two examples of coniferous plants.
(i) _____ (ii) _____
(c) How do algae reproduce?

53. (a) Identify the immunisable disease with the following signs.
(i) chronic cough, sweating at night and loss of body weight.
(ii) stiff muscles and muscle spasms when touched.

- (b) Give any two roles of the community in promoting immunization.
(i) _____
(ii) _____

54. The diagram below shows a practice carried out in cattle management. Study and use it to answer questions that follow.



- (a) Which cattle management practice is shown above?

- (b) Why is the above structure made with a shelter?

- (c) Name the chemicals used in the practice shown in the diagram above.

- (d) Write down any one parasite prevented by using the above practice.

55. (a) Which type of teeth is used for;
(i) cutting food

- (ii) tearing food

- (b) Name two diseases which affect the teeth.

- (i) _____ (ii) _____