

Prime Consult THE PRIME EXAMINATIONS 2023
P.7 MOCK
INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

| INDEX NO: | Random No. | Personal No. |
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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two sections: A and B. Section A has 40 questions (40 Marks) Section B has 15 questions. (60 Marks)
2. Answer ALL questions. All answers in both sections A and B must be written in the spaces provided.
3. All answers must be written using blue or black ball point pen or ink. Any work written in pencils will not be marked.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read, may lead to loss of marks.
6. Do not fill anything in the table indicated "FOR EXAMINERS' USE ONLY", and the boxes inside the question.

| 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 (PSC)

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Turn Over

Section A (40 Marks)

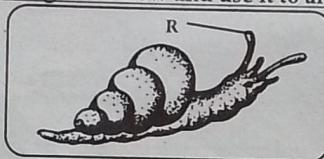
1. Name one common accident at school.

2. Why are bees grouped under social insects?

3. Which **kidney disease** is caused by obstruction of the bladder leading to solidification of the salts?

4. Give one importance of heat transfer by conduction in our daily life.

Study the diagram below and use it to answer questions 5 and 6



5. To which group of invertebrates does the above diagram belong?

6. State the importance is part marked R to the above animal shown in the diagram above?

7. Which element of weather causes the **crushing of aeroplanes** in the atmosphere?

8. Identify the type of cattle with **triangular body shapes**.

9. What happens to the image of a pin hole camera when the distance between the camera is decreased?

10. How do bacteria multiply in the environment?

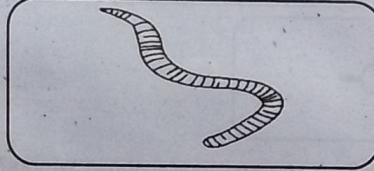
11. Name the form of energy produced by vibration of a drum.

12. Which **disease vector** is involved in the 4F's germs path?

13. How can children acquire **artificial immunity** in the community?

14. State one element of a clean home.

Study the diagram below and use it to answer questions 15 and 16.



15. Name the type of the skeleton possessed by the organism shown in the diagram above.

16. What do earthworms use for **breathing** in the environment?

19. Write any one form of energy is produced when friction occurs between two bodies in contact?

20. Name the **mineral salt** obtained by eating boiled eggs.

21. Why does the heart of the person running beat faster than normal?

22. State one advantage of staking tomato plants in the garden.

23. In which way are scavenger birds important in the environment?

24. Why should hutches be raised atleast 1 metre from the ground?

Use the diagram below to answer questions 25 and 26



25. What component of electricity is represented by above symbol?

26. How is the above component of electricity adopted to its function?

27. State one way of caring for a pregnant woman at home.

28. Why is oil not a condition necessary for rusting to take place?

29. State one way of conserving banana plantation.

30. Name the instrument used to measure densities of different liquids.

31. How are the spurs important to a cock?

32. Which part of the shot system helps a plant to carryout transpiration?

33. Give one reason why air is important in the soil as a resource.

34. State one role of the tongue during food digestion.

Study the table below and use it to answer questions 35 and 36.

| Type of teeth | Incisors | Canines | Premolars | Total |
|---------------|----------|---------|-----------|-------|
| Lower jaw | 4 | 2 | 4 | 10 |
| Upper jaw | — | 2 | 4 | 10 |
| Total | 8 | 4 | 8 | 20 |

35. Complete the table above.
36. Name the set of teeth shown in the table above.

37. Why is it advisable to breathe through the **nose not the mouth?**

38. Name the type of injury caused by a **hot saucepan.**

39. State one disadvantage of breast feeding to the family?

40. Name the type of family where we find **father, mother and their biological children.**

Section B (60 Marks)

41. (a) To which group of energy resources is water grouped.

(b) Mention the type of electricity generated using the power of flowing water.

(c) Name any two energy resources obtained from water.

(i) _____ (ii) _____

42. (a) What element of PHC is intended to eradicate the spread of diarrhoeal diseases in the community?

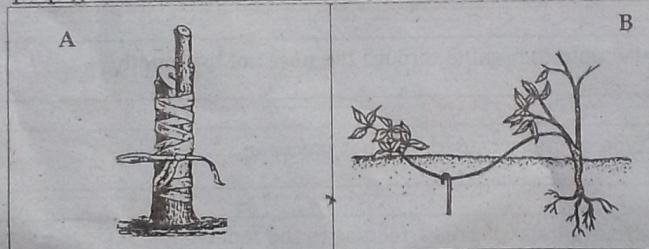
(b) State the element of PHC promoted by the following.

(i) sweeping the latrines

(ii) feeding on a balanced diet

(c) State one principle of PHC

43. The diagram below shows different methods of artificial vegetative propagation. Observe them and answer the questions that follow.



(a) Name the methods of vegetative propagation A and B

(i) A _____ (ii) B _____

(b) Mention any one plant that can be propagated using method A.

(c) Which method of vegetative propagation is used in cassava?

44. (a) Mention any two examples of wedges used for clearing land.
(i) _____ (ii) _____
(b) Apart from clearing land, state any two uses of wedges in our daily life.
(i) _____
(ii) _____
45. (a) How are the following items important during bathing?
(i) soap

(ii) clean water

- (b) Give two reasons why we should iron our clothes.
(i) _____
(ii) _____
46. (a) Write the sanitary measure which helps in the following ways;
(i) enables proper drying of utensils.

(ii) helps in the proper disposal of broken bottles.

- (b) How can proper disposal of human wastes control the spread of diarrhoeal diseases?

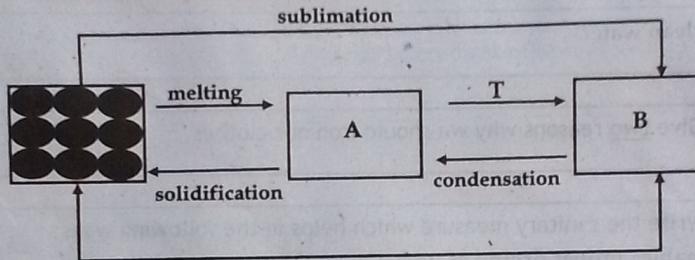
- (c) Give one reason for sweeping rubbish in the compound.

47. (a) Give any two conditions that can promote the health of people in the community.
(i) _____
(ii) _____

(b) Why is smoking called a bad health life style?

(c) Write down one example of a good health style.

48. The diagram below represents the changes in states of matter. Use it to answer the questions that follow.



(a) Name the state of matter A and B.

(i) A _____ (ii) B _____

(b) What process is represented by letter T?

(c) Which form of energy enables the change T to take place?

49. (a) Give the difference between clean water and safe water.

(b) Mention any two processes involved in water treatment.

(i) _____ (ii) _____

(c) Why should dirty water be treated before drinking?



50. (a) Give any two advantages of rearing exotic breeds of goats over local breeds.

(i) _____

(ii) _____

- (b) How does goat keeping contribute to crop growing?

(c) What part of the goat is used in the making of leather?

51. Match the following crop growing practices to their meanings.

| <u>Practice</u> | <u>meaning</u> |
|--------------------|-----------------------------------------------------------------------|
| (a) Plant training | Is the removal of excess plants in the garden or nursery bed |
| (b) Thinning | Is the making of seedlings get used to harsh garden conditions. |
| (c) Transplanting | Is the making of a plant grow in a desired shape or direction |
| (d) Hardening off | Is the transfer of seedlings from the nursery bed to the main garden. |

(a) Plant training _____

(b) Thinning _____

(c) Transplanting _____

(d) Hardening off _____

52. (a) State any one secondary characteristic in;

- (i) boys

(ii) girls

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(b) Mention any two ways of managing body changes.

- (i) _____
(ii) _____

53. (a) Name one example of the following sources of light.

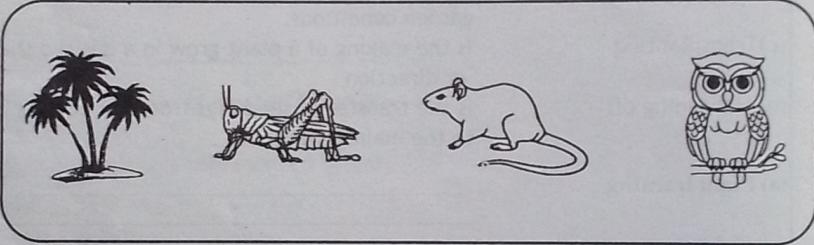
- (i) Natural source of light

- (ii) Artificial source of light

(b) Give any two importance of light energy in the environment.

- (i) _____
(ii) _____

54. Use the food chain below to answer the questions that follow.



(a) Identify the following in the food chain above;

- (i) Producer:

- (ii) Tertiary consumer:

(b) What will happen to the grass when all grasshoppers are killed?

(c) Use arrows to complete the food chain shown in the diagram above

- (i) _____
(ii) _____

55. Write four ways how you would recover salt sand.

- (i) _____
(ii) _____
(iii) _____
(iv) _____