



# THE PRIME EXAMINATIONS 2023

## P.7 PRE - 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		
52 - 55		
TOTAL		

APPROVED:

.....  
Coordinator

Integrated Science Department (P.E.C.)

PUBLISHERS OF:

PRIME: SCHEMING FRAMEWORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

Turn Over

Section A (40 Marks)

1. Name the common accident caused when the human skin gets in contact with hot blowing charcoal.  
\_\_\_\_\_
2. What type of chicken is kept purposely for egg production?  
\_\_\_\_\_
3. Give one way how the skin can regulate the body temperature on cold days.  
\_\_\_\_\_
4. Why is carbon dioxide packed in bottled drinks like soda?  
\_\_\_\_\_

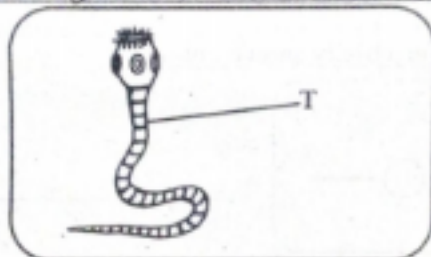
Use the diagram below and answer questions 5 and 6.



5. Name the arachnid whose habitat is shown above.  
\_\_\_\_\_
6. Apart from being used as a habitat, give one other importance of the above structure to arachnid named in (5) above.  
\_\_\_\_\_
7. In which way do plants contribute to the rain cycle?  
\_\_\_\_\_
8. Give one importance of keeping cattle.  
\_\_\_\_\_
9. Name the type of mirrors used in periscope.  
\_\_\_\_\_
10. Name the group of bacteria that need oxygen for respiration.  
\_\_\_\_\_

11. Why are drums always exposed to sunshine before they are played?  
\_\_\_\_\_
12. How do farmers control the breeding of poor quality animals on their farm?  
\_\_\_\_\_
13. Name the type of immunity acquired through immunization.  
\_\_\_\_\_
14. Give the health benefit of boiling water before using it for drinking.  
\_\_\_\_\_

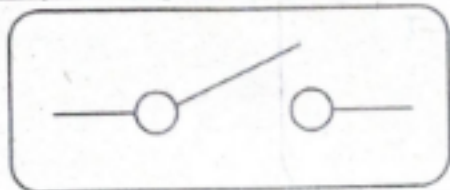
Study the diagram below and use it to answer questions 15 and 16.



15. Which type of skeleton is possessed by the living organism shown in the diagram above?  
\_\_\_\_\_
16. State the importance part T to the living organism shown in the diagram above?  
\_\_\_\_\_  
\_\_\_\_\_
17. What can severe diarrhoea cause to a person?  
\_\_\_\_\_  
\_\_\_\_\_
18. Write down one type of smoking.  
\_\_\_\_\_
19. What name is given to the ***type of friction that occurs to a whale while in water?***  
\_\_\_\_\_
20. Why are athletes advised to include carbohydrates in their diet?  
\_\_\_\_\_  
\_\_\_\_\_



21. Give the reason why blood goes to the kidneys during circulation.
22. In which way do animals contribute to the process of photosynthesis in plants?
23. Name the only flying mammal in the environment.
24. What do we call the action of producing young ones by a doe?
25. Identify the component of electricity shown below.



26. Give the use of the component of an electric circuit shown in the diagram above.
27. Write the term used to mean the process by which a zygote gets attached to the wall of the uterus?
28. To what type of change does germination of seeds belong?
29. Give one use of ropes to children.
30. What are the basic unit for measuring mass?

31. Why do birds in free range system easily acquire diseases?

\_\_\_\_\_

32. Give the importance of echoes to sailors.

\_\_\_\_\_

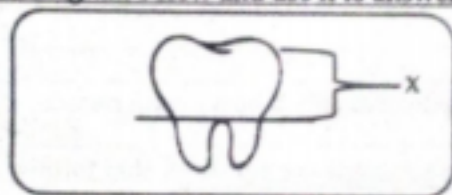
33. Mention one example of a non-living thing resource in the environment.

\_\_\_\_\_

34. State one role of the tongue during digestion.

\_\_\_\_\_

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



35. Name the region of the tooth marked X.

\_\_\_\_\_

36. Which set of teeth is found in adults?

\_\_\_\_\_

37. Why is it dangerous to climb trees carelessly?

\_\_\_\_\_

38. Name the main product of respiration in the body.

\_\_\_\_\_

39. In which one way can breast feeding be advantageous to a baby?

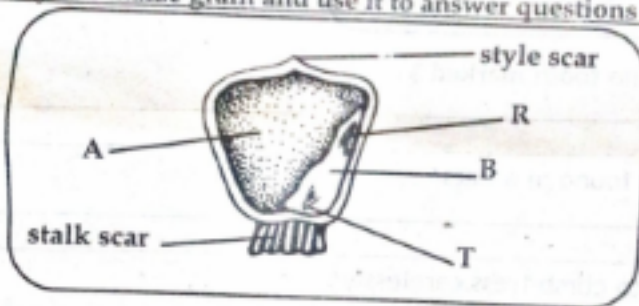
\_\_\_\_\_

40. Mention one type of a family.

\_\_\_\_\_

**Section B (60 Marks)**

41. (a) Give two ways how plants can be conserved in the environment.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(b) How are the following practices connected to the conservation of wood fuel?  
(i) Covering food while cooking. \_\_\_\_\_  
(ii) Soaking dry food before cooking. \_\_\_\_\_
42. (a) What is meant by the term health parades?  
\_\_\_\_\_  
\_\_\_\_\_  
(b) Give any two importance of carrying out health parades at school.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) State any one activity carried out on a school health parade. \_\_\_\_\_
43. Study the maize grain and use it to answer questions that follow.



- (a) Name the part marked B from the diagram above.  
\_\_\_\_\_
- (b) Which part of a maize grain is shown in the diagram above has a similar function as the cotyledon of a bean seed?  
\_\_\_\_\_
- (c) With the help of an arrow and letter M, show the part of a maize grain that protects the inner parts of the maize grain from damage.  
\_\_\_\_\_
- (d) Which type of germination does a maize grain undergo?  
\_\_\_\_\_



44. (a) Name one class of simple machines.

(b) A boy weighing 60kg sits 4 metres away from the fulcrum of the seesaw. A girl sits on the other side at a distance of 6 metres from the fulcrum in order to balance the see saw. Find the weight of the girl. (03 marks)

45. (a) Why is it a good practice to put beddings in sunshine after every two weeks?

(b) State any two health body practices that prevent bad body smell.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Give one health problem associated with poor personal hygiene.

46. (a) Give any two ways of keeping our school compound clean.

(i) \_\_\_\_\_

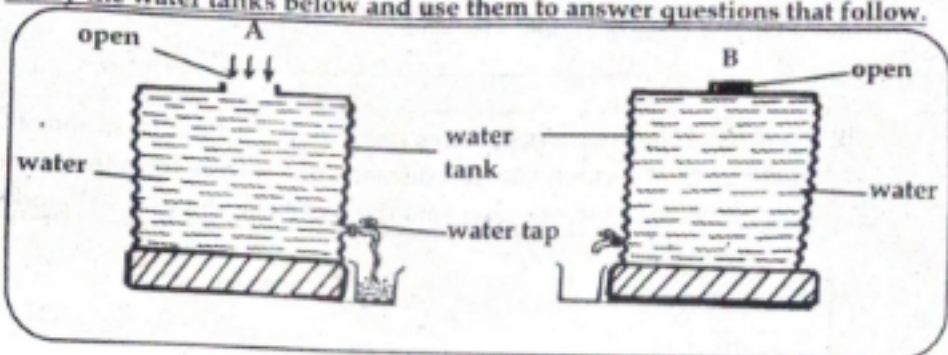
(ii) \_\_\_\_\_

(b) Name one disease which can be spread through urine.

(c) Why should stagnant water around our homes be poured away?



47. Study the water tanks below and use them to answer questions that follow.



(a) State the property of matter shown above.

(b) Why is water tank B unable to bring out water?

(c) Apart from the property named in 47(a) above, state one other property of matter.

(d) What property of matter enables pumping of air into a tyre?

48. (a) Mention any two common health problems in communities.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(b) Give one example of the following non communicable diseases.

(i) Food deficiency disease:

(ii) Self-inflicted disease:

49. (a) Name one method used in the following.

(i) Making water clean for washing

(ii) Making water safe for drinking



50. Match the following terms to their meaning.

<u>Term</u>	<u>meaning</u>
(i) Kidding	Is the period when a nanny is ready to be mated.
(ii) Browsing	Is the act of giving birth in goats.
(iii) Lambing	Is the act of feeding on the soft parts of a plant especially branches and leaves.
(iv) Heat period	Is the act of giving birth by a sheep.
(i) Kidding	_____
(ii) Browsing	_____
(iii) Lambing	_____
(iv) Heat period	_____

51. (a) What name is given to *the group of crops that mature in less than a year?*

(b) Apart from the above group of crops named in 51(a) above, mention one other group of crops in the environment.

(c) Write any two examples of groups of crops named in 51(b) above.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

52. (a) State one primary sex characteristic in the following.

(i) Boys

(ii) Girls

(b) Write down any two problems caused by adolescence to adolescents.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

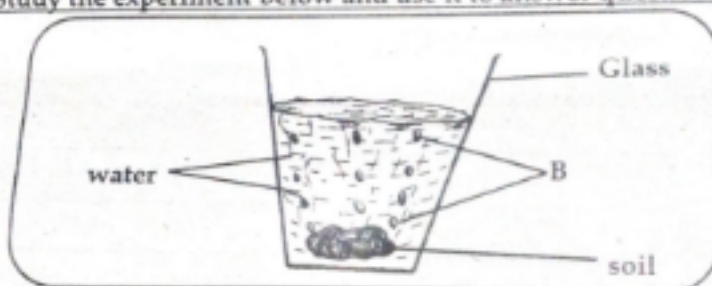
53. (a) What form of energy enables a man to see at night?

(b) Name the **nutritional value** of the morning sun to human body.

(c) Why is the moon not regarded as a **natural source of light**?

(d) Mention one form of energy obtained from the sun.

54. Study the experiment below and use it to answer questions that follow.



(a) What does the above experiment prove about soil?

(b) Name the part marked B

(c) Apart from the above experimented property of soil, mention one other property of soil.

(d) Write one component of soil.

55. (a) Name the type of alcohol that is;

(i) **poisonous to the body**

(i) **contained in alcoholic drinks**

(b) John is known to drink a lot of alcohol most of the time. Give two effects of the habit to his family.

(i)

(ii)