

**MIDTERM EXAMINATIONS 2023**  
**PRIMARY SEVEN**  
**INTEGRATED SCIENCE**

NAME \_\_\_\_\_  
SCHOOL \_\_\_\_\_  
STREAM \_\_\_\_\_

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

- 1** The paper is made up of two sections **A** and **B**.
- 2** Section **A** has **40** questions (**40** marks) and **B** has **15** questions (**60** marks)
- 3** Answer all questions in both sections **A** and **B**.
- 4** All answers must be written in the spaces provided in **BLUE** or **BLACK** ink.  
Only diagrams and graph work be done in pencil.
- 5** Unnecessary crossing will lead to loss of marks.
- 6** Poor handwriting, which can not be easily read, may lead to loss of marks.

**FOR EXAMINER'S USE ONLY**

SECTION	SCORES	REMARKS
<b>A</b>		
<b>B</b>		
<b>TOTAL</b>		

Teacher's comment to the pupil

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SECTION: A (40 Marks)**

(Questions 1 - 40 carry **one** mark each)

1. What type of skeleton does an earthworm have?
2. State **one** danger of germs to human health.
3. Name the natural source of solar energy in the environment.
4. Give **one** characteristic of floating objects.
5. Which part of air is given out as a waste product during photosynthesis?
6. State **one** role played by tendons in the human body.
7. Name the group of mammals which reproduce by laying eggs.
8. Mention any **one** harmful substance found in tobacco.

Use the diagram below and answer the questions 9 and 10.



9. Name the part marked P.
10. What happens to the part marked Q when the hand is bent?
11. Name any **one** group of organisms that decompose organic matter in soil formation.
12. Give any **one** way in which plants depend on animals.
13. Identify the part of a maize grain that has similar function with that of a cotyledon of a bean seed.



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PRIMARY SEVEN INTEGRATED SCIENCE MID TERM 1 EXAMINATION 2023  
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14. At what age are babies immunized against measles?

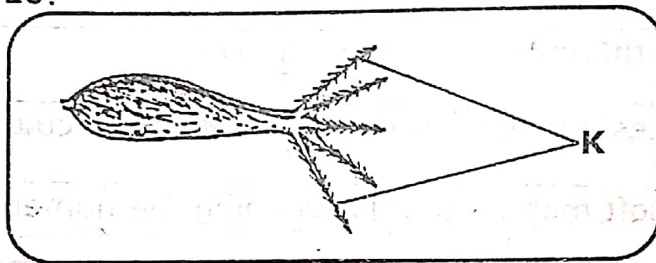
15. Mention any **one** disease of the bones.

16. Why can't plants make their own food at night?

17. Give any **one** condition that may lead to fainting.

18. Which part of the human skeleton protects the brain?

The diagram below is of a black jack seed. Use it to answer questions 19 and 20.



19. Name the structure marked K.

20. How is the above seed dispersed?

21. Write **one** negative effect of alcoholism to the family.

22. State the component of blood destroyed by HIV parasites.

23. Give any **one** way of promoting good sanitation at school.

24. Apart from lines of force of a magnet runs from North to South pole, state any other property of a magnet.

25. Mention any **one** factor considered before starting a livestock farm.

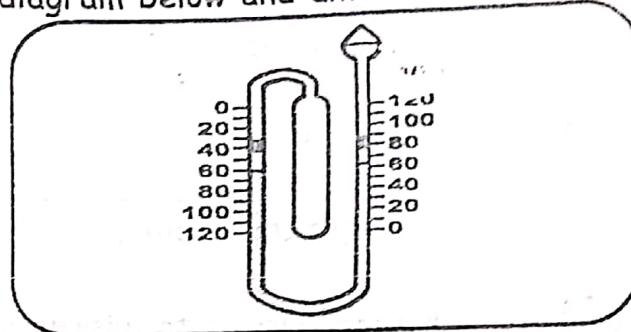
26. How does heat from the sun reach people on earth?

27. Name the organ of the body that produces bile.



28. Give any **one** advantage of planting crops in rows.

Use the diagram below and answer the questions 29 and 30.



29. Name the type of thermometer shown in the diagram above.

30. State **one** function of the thermometer shown above.

31. Write **one** factor that forces a fuse to melt and break the circuit.

32. Why is it advised to use soft materials while cleaning the human ear?

33. Mention any sign of a dehydrated person.

34. Name the mineral salt which lacks in breast milk.

35. Give any **one** example of non-renewable resources.

36. What happens to bees when there is direct sunlight into their hives?

37. How can a crop farmer make use of litter got from a poultry house?

38. State any **one** way of controlling ring worm infections.

Use the diagram below and answer questions 39 and 40.



39. Name the method of grazing goats shown in the diagram above.

40. State any **one** advantage of grazing goats you have named in No. 39 above.

### SECTION B (60 Marks)

(Questions 41-55, carry **four** marks)

- 41(a) Mention **two** elements of **PHC**.

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

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

- (b) Name any **two** places where drowning can take place.

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

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

- 42 (a) Name any **two** places where drowning can take place.

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

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

- (b) What first aid is given to a person who has got burns on his/her foot?

\_\_\_\_\_

- (c) Apart from small insects, give any other example of a foreign body.

- 43 (a) In which **two** ways do vectors spread diseases to people?

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

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

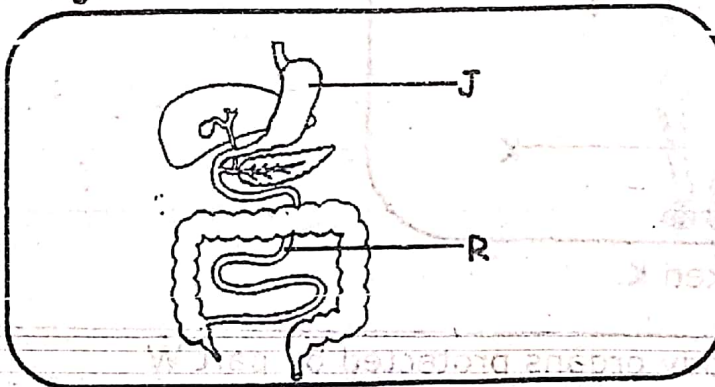
- (b) Mention the vector which spreads sleeping sickness to people.

\_\_\_\_\_

- (c) How can people control vectors in their homes?

\_\_\_\_\_

44. Use the diagram below and answer the questions that follow.



- (a) Name the body system shown in the diagram above.

- (b) Use letter **M** and an arrow to indicate the rectum on the diagram above.

(c) State any **two** disorders that affect the body system shown above.

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

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

45 (a) How do we call a reflected sound?

(b) State **one** importance of a reflected sound to the following.

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

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

(c) Give **one** way of reducing reflected sound in a cinema hall.

46(a) Mention any **two** groups of vulnerable people.

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

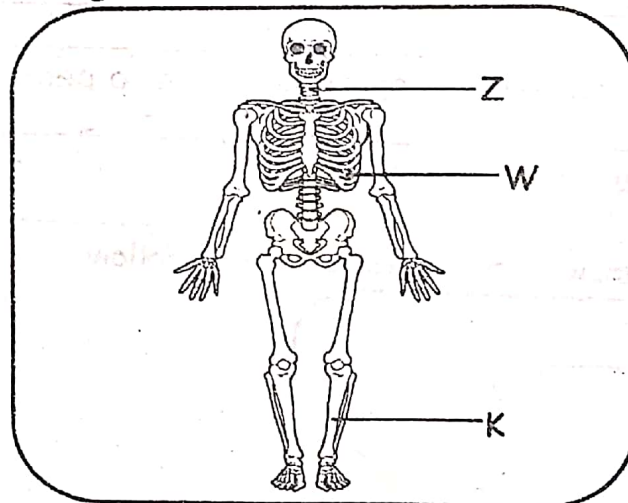
(ii) \_\_\_\_\_

(b) State a reason why vulnerable people are fed on the following food values:

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

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

47. Use the diagram below to answer the questions that follow.



(a) Name the part marked K.

(b) Mention any **two** body organs protected by part W.

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

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

(c) What type of movable joints is found at the part marked Z?

48 (a) How can carrots be propagated?



(b) Apart from moles, mention any **two** examples of crop pests that attack root tuber crops.

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

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

(c) Write any **one** way of controlling crop pests in the garden.

49. (a) Name any **two** vaccines administered to babies by injection.

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

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

(b) Give any **one** sign of measles in children.

(c) How can mothers control polio among their young children?

50 (a) Name the set of teeth that is found in:

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

(ii) Children below six years \_\_\_\_\_

(b) How is a canine tooth adapted to its function?

(c) State the mineral salt responsible for hardening of the teeth.

51 (a) Name any **two** physical changes involved in rain formation.

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

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

(b) State **one** importance of the sun in rain formation.

(c) What type of clouds show a clear sign of rain?

52 (a) Give **one** reason why farmers dock their sheep.

(b) Mention any **two** main products got from exotic breeds of sheep.

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

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

(c) Name any **one** viral disease that attacks sheep.

53 (a) State the external feature common to all mammals.



(b) Give any **two** similarities between birds and fish.

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

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

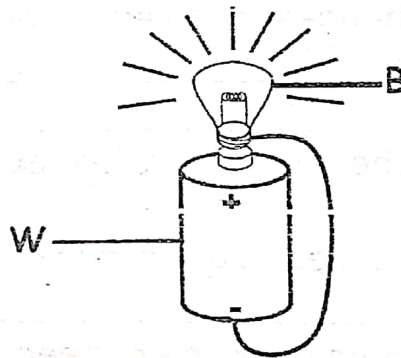
(c) How does a tadpole breathe?

54 (a) An irregular object has a mass of 60kg and volume of 30cc.  
Workout its density. (2 marks)

(b) How can the volume of a stone be obtained?

(c) Name the units used for measuring weight?

55. Use the diagram below to answer the questions that follow.



(a) Name the part marked W.

(b) Use an arrow to show the flow of current on the diagram above.

(c) Mention any **two** forms of energy produced by part B when an electronic circuit is complete.

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

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