



*"In Pursuit of PLE Excellency"*

# KUCH & ABER EDU-LOG EXAMINATIONS BOARD

## PRIMARY LEAVING EXAMINATIONS 2024

### PREP THREE-2024

### INTEGRATED SCIENCE

*Time allowed: 2 hours 15 minutes*

Index No.

EMIS NO.						Personal No.			

Candidate's Name:.....

Candidate's Signature:.....

District ID:.....

**Read the following instructions carefully**

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions.
3. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** of work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do **not** fill anything in the boxes indicated: "**For Examiners' Use Only**" and those inside the question paper.

*Please Turn over!*

FOR EXAMINER'S USE ONLY		
QN. No	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

## Section A: 40 Marks

1. Name any **one** state of matter.

.....

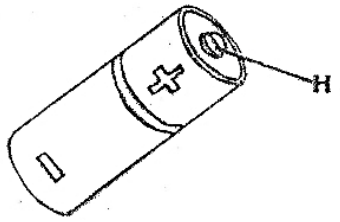
2. State any **one** way of preventing human skin diseases.

.....

3. Which part of a fish plays the same role like the ears in humans?

.....

The diagram below shows a component of an electric circuit. Study it and answer questions **4** and **5**.



4. Identify the part marked H.

.....

5. Give the use of the above component in an electric circuit.

.....

6. State any **one** harmful effect of smoking to an individual.

.....

7. Give any **one** characteristic of non-renewable resources.

.....

8. State the role of the sun in formation of rain.

.....

9. Name the kind of manure got from animal droppings and urine.

.....

10. State any **one** advantage of pruning mango trees.

.....

.....

11. State the way a building can be protected from damages caused by lightning.

.....

12. Why is a sugarcane not grouped under stem tubers?

.....

.....

13. Give the difference between cassava and toadstool in their way of feeding.

.....

.....

14. Why do electricians wear rubber gloves when installing electric appliances in a house?

.....

15. Name any one disease controlled through drinking safe water?

.....

16. How is humus got from organic matter?

.....

17. Why are sunflowers grouped under flowering plants?

.....

18. Why are some foodstuffs cooked before they are eaten?

.....

19. Name the part of the skeleton that protects the spinal cord.

.....

20. Why is a pencil not attracted by a magnet?

.....

.....

21. Give **one** advantage of using solar power.

.....

22. Outline the importance of a granary to a crop farmer.

.....

23. State any **one** condition that make a person to get fever.

.....

.....

24. How does photosynthesis reduce pollution in the atmosphere.

.....

25. State any **one** danger of dirty latrines at school

.....

.....

26. Give the function of fleshy leaves on an onion plant.

.....

The diagram below shows a beak of a bird. Study it and answer the questions that follow.



27. Name the group of birds with the above kind of beak.

.....

28. Give the use of the beak above to the group of birds named in **27** above.

.....

29. Why is a grass thatched house better to live in during a dry season?

.....

.....

30. Give any **one** way red eyes can be controlled in a school.

.....

31. State any **one** sign of pneumonia in rabbits.

.....

32. Name the method used to obtain pure alcohol from crude alcohol.

.....

33. State any **one** danger that may result from mulching a garden.

.....

34. Give the role of the liver in digestion of food.

.....

35. Why do modern poultry farmers include bone powder in poultry feeds?

.....

36. Give the use of eating a balanced diet to people.

.....

.....

37. Write **ORS** in full.

.....

38. State the functional difference between synovial fluid and synovial membrane.

.....

.....

39. State the energy change that occurs when a match stick is lit.

.....

.....

40. Why is copper commonly used in making electric wires?

.....

.....

**SECTION B: 60 MARKS.**

41. (a) Name any **two** plant fibres in your community.

(i) .....

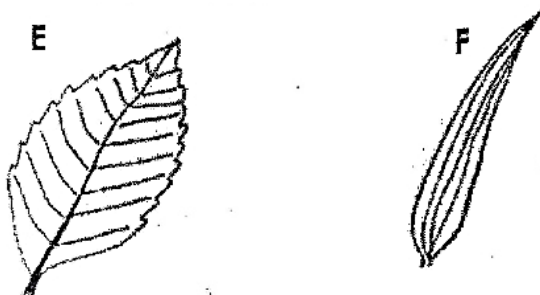
(ii) .....

(b) Give any **two** uses of plants fibres to people.

(i) .....

(ii) .....

42. The diagram below shows leaf venations. Study them and answer questions that follow.



(a) Identify the leaf venation marked **E**.

.....

(b) Name any **one** food crop with leaf venation marked **F**.

.....

(c) Which type of germination do plants with leaf venation marked **E** undergo?

.....

(d) State any **one** function of leaves to plants.

.....

43. (a) Besides capital, give any **two** other requirements needed to start an animal keeping project.

(i) .....

(ii).....

(b) State any **two** uses of capital required to start an animal keeping project.

(i) .....

(ii).....

44. (a) State any **one** importance checked on the packet before buying a drug.

.....

(b) Why are patients advised to complete the prescribed drug?

(i) .....

(ii).....

(c) Give the use of taking water when swallowing paracetamol drugs

.....

45. (a) What are scavenger birds?

.....

.....

(b) Name any **one** scavenger bird.

.....

.....

(c) How are scavenger birds helpful to the environment?

.....

.....

(d) State the adaptation of scavenger birds to their mode of feeding.

.....

.....

46. The diagrams below shows molluscs. Study them and answer questions that follow.



(a) Identify the mollusc marked **N**.

.....

(b) State the difference between **N** and **W**

.....

.....

(c) How does organism marked W protect itself?

.....

.....

47. a) Give **two** uses of observing personal hygiene regularly.

(i) .....

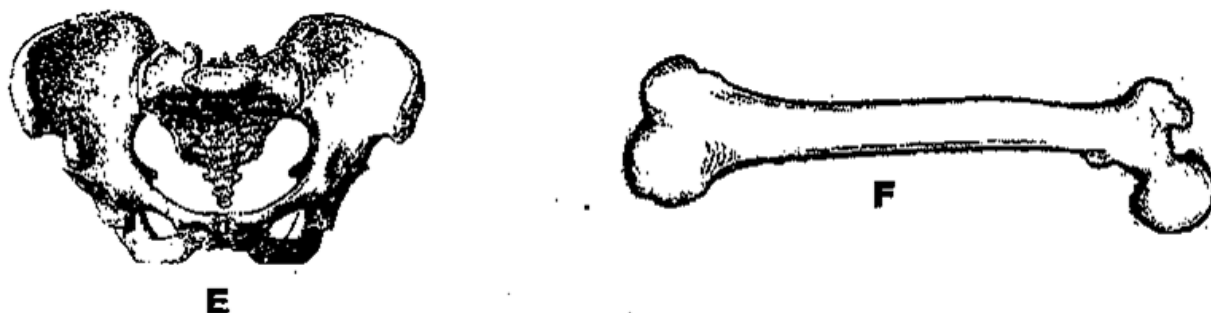
(ii).....

(b) State any **two** ways of caring for your feet.

(i) .....

(ii).....

48. The diagram below shows two different bones in humans. Study them and answer questions that follow.



(a) Identify the bones shown above.

(i) **E**.....

(ii) **F**.....

(b) In which part of the human body are the above bones located?

(i) **E** .....

(ii) **F** .....

49. Match the forms of electricity in **A** to their sources in **B** correctly.

**A**

Geothermal electricity

Solar electricity

Atomic electricity

Hydro electricity

**B**

uranium

fast flowing water

wind

sun

Hot springs

(i) Geothermal electricity .....

(ii) Solar electricity .....

(iii) Atomic electricity .....

(iv) Hydro electricity .....

50. (a) Give any **two** reasons why people rear cattle.

(i) .....

(ii).....

(b) Outline any **two** ways of controlling outbreak of viral diseases in a country.

(i) .....

(ii).....

51. (a) What is oral hygiene?

.....

.....

(b) Besides brushing teeth ever after a meal, give one other way of observing oral hygiene.

.....

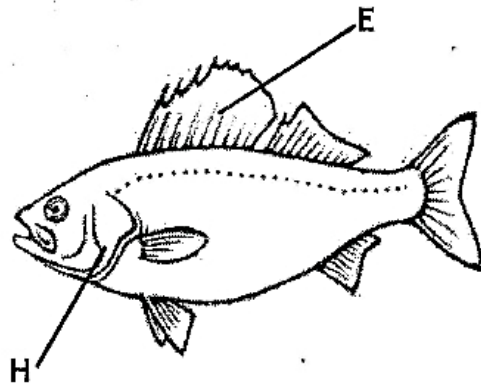
(c) Why do we brush our teeth every after a meal?

(i) .....

(ii).....



52. The diagram below shows a fish. Study and answer the questions which follow.



(a) Identify the part labelled **E**.

.....

(b) Why do the above organisms swallow water?

.....

(c) Give the use of structure marked **H** to the above organisms.

.....

(d) State any **one** way the above organism is adapted to the life in water.

.....

53. (a) What causes fainting?

.....

.....

(b) Name any **two** conditions that can result into fainting.

(i) .....

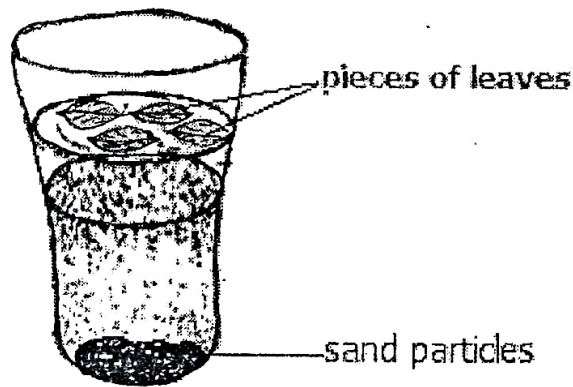
(ii) .....

(c) Briefly explain the first aid for fainting.

.....

.....

54. A brother and her sister went to the well to fetch water. On arrival, they powered the water in a transparent container shown below.



- (a) Why is it not advisable to drink the water in the container above?

.....  
 .....

- (b) Name any **one** method you can use to get clear water from the one above.

.....

- (c) How do you obtain drinking water from the above water?

.....  
 .....

- (d) What advice would you give to the community members to avoid the pieces of leaves appearing in the water?

.....  
 .....

55. In **PHC**, people in a given community should work together to promote health in their community.

- (a) Outline any **two** community activities done by people.

(i) .....  
 (ii) .....

- (b) Give any **two** uses of carrying out the above activities.

(i) .....  
 (ii) .....

**THE END**

