



THE E-LEARN EXAMINATIONS BOARD

PRIMARY LEAVING MOCK

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

EMIS No.						Personal No.		

Pupil's Name:

Pupil's Signature:

School Name:

District Name:

Read the following instructions carefully:

1. Do not forget to write your **school** or **district name** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **12** printed pages altogether.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown 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 will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: **"For Examiners' use only"** and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

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Turn Over

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name **one** domestic animal kept for protection in a home.

.....

2. Write **one** way how insects benefit from ecdysis

.....

3. Mention **one** effect of sex deviations to an individual in the community

.....

4. Write **one** method of preparing food.

.....

5. State **one** way how living organisms like earthworms aerate the soil.

.....

Study the diagram below and answer questions 6 and 7



6. Name the immunisable childhood disease the boy is most likely suffering from.

.....

7. How is the vaccine for the above disease administered in babies?

.....

8. State the airborne disease which affects the skeletal system.

.....

9. Write the type of tooth with a chisel shape.

.....

10. State the main reason why cassava is not propagated using its seeds.



.....

11. Besides the orbit, write **one** other part of the human skeleton which protects the eye balls.

.....

12. Which method of making alcohol involves zymase enzyme?

.....

13. State the type of bacteria which can multiply in the absence of the gas which supports burning.

.....

Use the diagram below to answer question 14.



14. Why is the above type of incubation not common in modern poultry houses?

.....

15. Write **one** way how crop farmers can destroy the lifecycle of crop pest in the garden.

.....

16. Name the part of a joint protected by the sesamoid bones.

.....

17. State the form of energy produced when molecules move rapidly to and fro in a substance.

.....

18. Write **one** reason why ash is added on the compost heap of manure.

.....

19. Mention **one** example of annelids.

.....

20. Give **one** item used to stop petrol fire.

.....

21. Write **one** role played by VHT in the community.

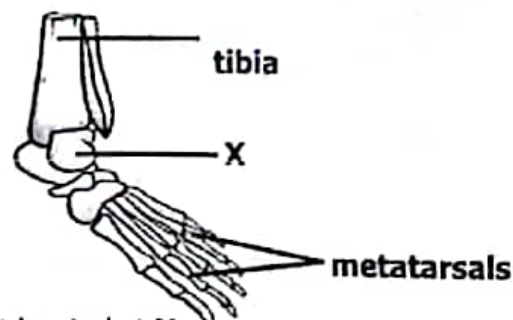


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22. State the group of arthropods with numerous legs and body segments.


.....

The diagram below shows bones in a foot of a human being. Use it to answer questions that follow.



23. State the movable joint located at X

.....

24. Identify any other **one** type of movable joints.
.....
25. How do Iron keepers prevent magnets from losing their magnetism?
.....
26. Give the Importance of hooks to a blackjack during dispersal.
.....
27. Write any **one** effect of teenage pregnancy to a school going child.
.....
28. Give **one** method of applying fertilizers in the garden.
.....
29. Write the main reason why breast milk is called complete food for babies.
.....
30. What scientific name is given to the liquid conductor of electricity in a wet cell?
.....
31. Give **one** advantage of using third class lever machines. 
.....
32. To which class of levers does a pair of scissors belong?
.....
33. Write any **one** cause of poultry vices.
.....
34. Which vaccine is given to babies to protect them against whooping cough?
.....

35. State **one** lifestyle which can lead to partial deafness.

.....

36. Give a reason why some people put on white clothes during sunny weather.

.....

37. State the disorder of the skin caused by absence of melanin pigment in the skin.

.....

38. Write the method used to produce high concentrated alcohol.

.....

39. How can hard water be made soft?

.....

40. Name the special organs used by spiders to spin silk.

.....

SECTION B: 60 MARKS



Questions **41** to **55** carry four marks each.

41. (a) Name the main respiratory organ in the human body.

.....

(b) How are the following important in the respiratory system?

(i) Alveoli

.....

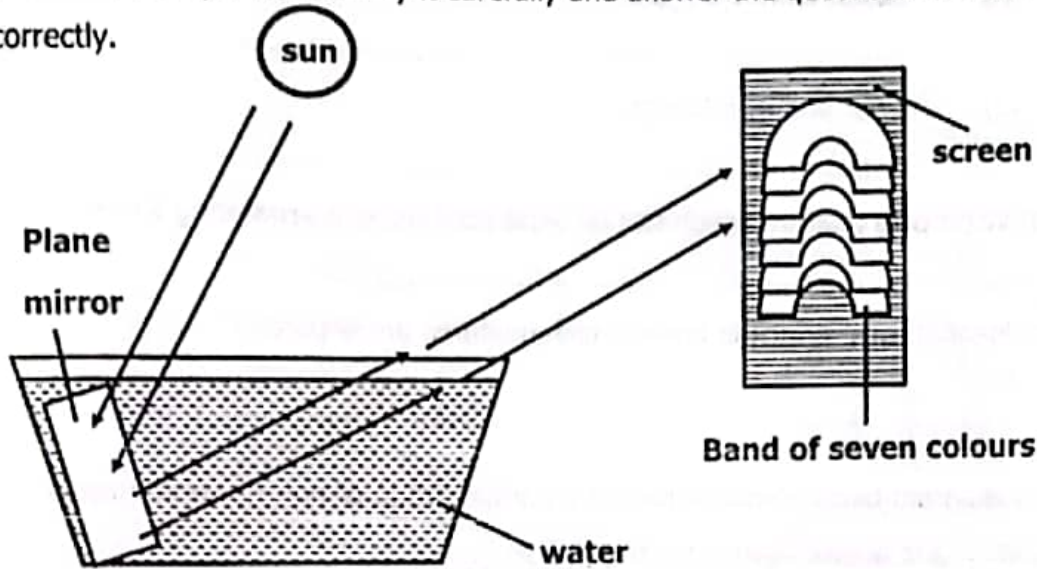
(ii) Trachea

.....

(c) How does the epiglottis prevent choking?

.....

42. The diagram below shows an experiment which was set up by P-7 candidates in Agururu primary school. Study it carefully and answer the questions about it correctly.



- (a) What was the above experiment about?

.....

- (b) Give the role of the following in the above experiment:

(i) Mirror

(ii) Water

- (c) What scientific name is given to the band of seven colours formed on the screen in the diagram above.

.....

43. (a) State the physical process which leads to the formation of clouds.

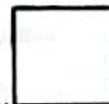
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- (b) How are the following important in a water cycle?

(i) Sun

(ii) Trees

- (c) How does deforestation lower the production of hydroelectricity?



.....

44. (a) How can you separate these mixtures:

(i) Seeds from fruit juice.

.....

(ii) flour and iron fillings

.....

(b) Write **one** mixture which can be separated using a separating funnel.

.....

(c) Mention **one** principle under which mixtures are separated.

.....

45. The diagram below shows a part of a certain group of non-flowering plants.
Study it and answer questions that follow.



(a) Name the structure drawn above.

.....

(b) State the group of non-flowering plants with such structures on them.

.....

(c) How do plants with such structures reproduce?

.....

(d) Write **one** plant which belongs to the group named in (b)

.....

46. (a) The human body is made up of various systems. Write down the body system concerned with the following

(i) Human bones.

(ii) Food

(iii) Blood.....

(b) Name the body organ responsible for balancing the water in the body

47. The diagram below shows three metallic bells of different sizes study it and answer the questions that follow.



(a) Which bell will produce:

(i) Sound of lowest pitch.

(ii) Sound of highest pitch.

(b) Mention **one** notation method of storing organized sound.

(c) Besides keeping the trachea open, how are rings of cartilage important to birds?

48. (a) How do the following parts of a machine reduce friction:

(i) ball bearings

(ii) rollers

(b) Write **one** way how friction is a nuisance force

(c) State **one** force which lowers the efficiency of a machine.

49. (a) Give the meaning of the term food security.

.....

(b) Mention **two** causes of famine in the family.

(i)

(ii)

(c) How does food insecurity lead to deficiency diseases?



.....

50. (a) State the processes which take place in the following parts of the kidney

(i) Cortex

(ii) Medulla

(b) Name the blood vessel which supplies oxygenated blood to the kidney.

.....

(d) In which part of the kidneys are the nephrons found?

.....

51. Match the following organs to the diseases

Organs

Eyes

Kidney

Liver

Ear

Diseases

Cirrhosis

otitis interna

Nephritis

Conjunctivitis

.....

.....

.....

.....

52. (a) Give **two** write two examples of electric conductors.

(i)

(ii).....

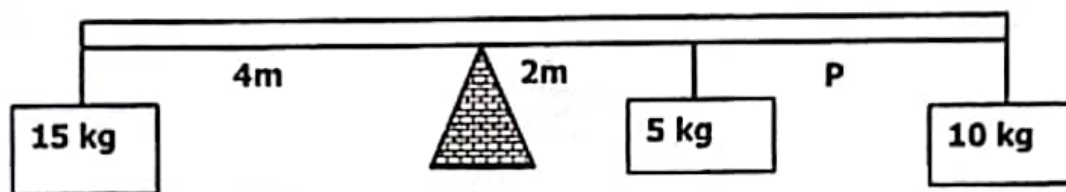
(b) Write **one** living source of electricity?

.....

(c) Why is the glass envelope of a bulb made transparent?



53. Use the diagram below to answer the following questions that follow.



(a) Calculate the value of **P** in the diagram above.

(b) Use letter **X** to show the turning point on the above diagram.

(c) What happens to the effort applied on the machine if its mechanical Advantage is greater than 1?

.....

54. (a) State the method of grazing cattle where temporary fences carrying current are used.

.....

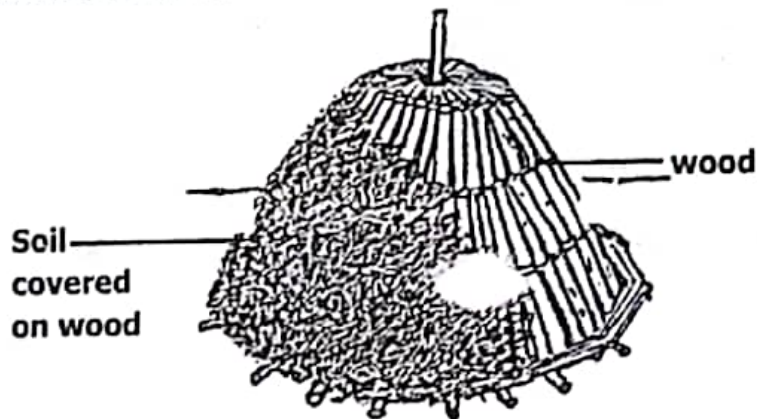
(b) Mention **one** method used for drying animal skins.

.....

(c) Name the animal product used for making whey.

.....
(d) Give **one** difference between dosing and drenching as used on a cattle farm.
.....
.....

55. The diagram below shows a local charcoal making process. Use it to answer questions that follow.



(a) Give the reason why wood is covered with soil before applying fire.
.....

(b) Give **one** use of the substance obtained from the above process.
.....

(c) Write **two** advantages of using charcoal over firewood.

(i)

(ii)

END

