



SERERE DISTRICT PRIMARY SCHOOLS
MOCK 2023
PRIMARY SEVEN



INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.

Random No.						Personal No.		

Name:

School:

Signature:

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

1. The paper has **two** sections: **A and B**
2. Section **A** has **40** questions (**40** marks)
3. Section **B** has **15** questions (**60** marks)
4. Answer All questions. All answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball-point pen or ink.
Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for examiners' use only.

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		

Turn Over

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SECTION A (40 MARKS)

1. Name the organ of the body that uses light to see.

2. What are weeds?

3. Mention any one characteristic of a true insect.

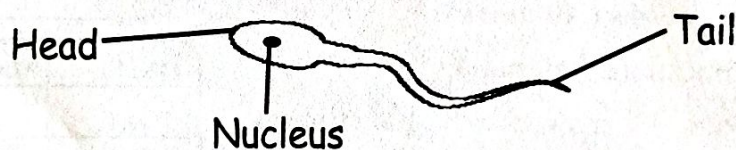
4. Apart from supporting the body, give any other one function of a skeleton.

5. Name the type of human teeth good for tearing flesh and bones.

6. Give the difference between hand milking and machine milking methods of drawing milk from a cow.

7. Of what importance is cutting short finger nails to a P.7 candidate?

Study the diagram below and answer question 8 and 9.



8. What name is given to the reproductive cell above?

9. How important is its tail at a time it's still alive?

10. Write down any one F of the 4Fs in germ path.

11. Why should cold water be poured on a burn?

12. In which way can Mr. Epero benefit from a bee hive full of bees near his simsim garden?

The diagram below is a lantern. Use it to answer question 13.



13. How is paraffin able to move through the wick in the lantern and give out light?

14. Mention the childhood immunisable disease whose vaccine is given at 9 months.

15. Why is filtered water not good for drinking?

16. Which type of metamorphosis does a cockroach undergo?

17. Mention one example of a non-renewable resource in the environment.

18. Of what importance is a screen on a VIP latrine?

19. Name the force that opposes movement between two moving parts which are in contact.

20. Identify one sex deviation that some people engage themselves in.

21. Write PHC in full.

22. Give the meaning of the road sign drawn below.



23. How can pitch of a stringed musical instrument be decreased?

24. Mention one mineral deficiency disease seen developing in people's throats.

25. What is the boiling point of water on a Celsius scale?

26. A kitten is to a rabbit as a _____ is to a hany.

27. State a reason why it is bad to use water to stop burning fire.

28. In which way is burning similar to rusting?

29. How is a switch useful in a circuit?

30. What name is given to the arrangement of veins in a leaf?

31. Where in the human body does blood pick oxygen before it enters the heart?

32. Give the reason electrical wires appear loose in the morning and tight during day time.

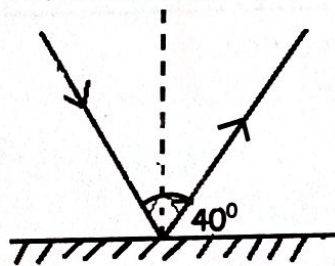
33. Mention the component of soil that helps to soften the seed coat.

34. Apart from octopus and slugs, mention any other one invertebrate grouped under molluscs.

35. Why are geckos able to walk on ceiling walls without falling down?

36. What is agro forestry?

37. Calculate the angle of incidence if the reflected ray forms angle of 40° with the reflecting surface.



38. Mention any one example of useful fungi in the environment to people.

39. Why is water made by decantation method not good for drinking by human beings?

40. Name the type of energy possessed by objects at rest.

SECTION B

41. a) What is a fracture?

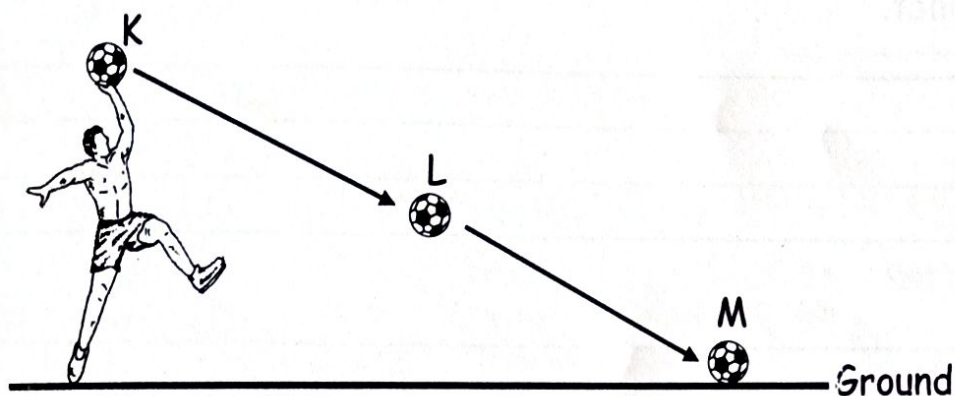
b) Mention the type of fracture common in young children.

c) Apart from immunization, give any other two ways of keeping our skeleton healthy.

(i)

(ii)

42. The diagram below shows different types of energy. Use it to answer questions that follow.



a) Name the type of energy possessed by the ball at:

(i) K _____

(ii) L _____

b) Mention the two forms of energy produced by the ball as it lands on the ground.

(i) _____

(ii) _____

43. Match the following animals to their organs for sound sensation.

(i) Man: Inner ears

(ii) Insect: lateral line

(iii) Bird: Pinna

(iv) Fish: Antenna

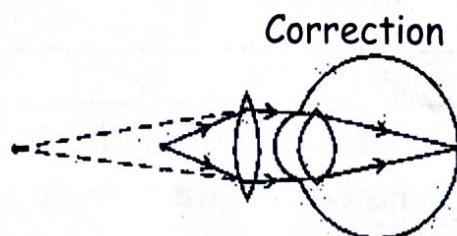
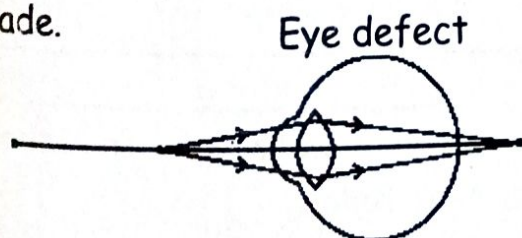
(i) Man: _____

(ii) Insect: _____

(iii) Bird: _____

(iv) Fish: _____

44. Use the diagram drawn below to identify the eye defect and its corrections made.



a) Name the eye defect corrected in the diagram above.

b) Give any one cause of the eye defect you have mentioned in a) above.

c) Apart from being inverted, state other two characteristics of images formed on

(i) _____

(ii) _____

45. In one or two sentences, briefly explain the importance of the following parts of a water born toilet.

a) Bowl: _____

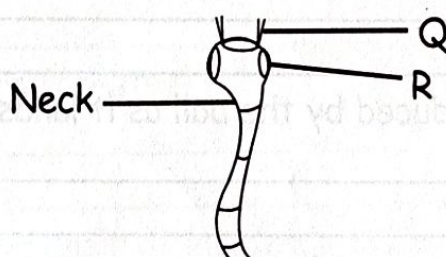
b) A septic tank: _____

c) A handle : _____

d) Cistern tank: _____

46.a) What is a parasite?

Use the diagram of an internal parasite below to answer questions that follow.



b) Name the parts marked with letters Q and R

(i) Q _____

(ii) R _____

c) Name the type of worm whose diagram is drawn above.

47.a) Mention the poultry vice whose control is by debeaking birds.

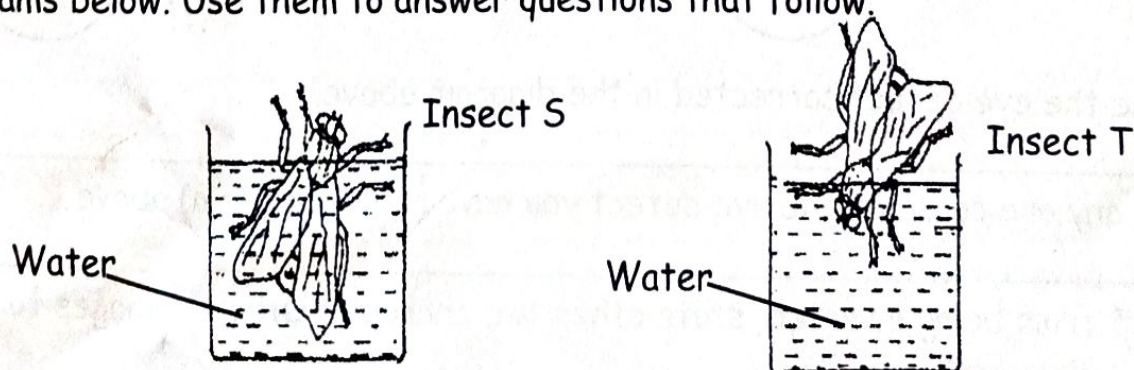
b) State any one cause of poultry vices.

c) Give any two ways are poultry vices prevented in our communities.

(i) _____

(ii) _____

48. Two insects were dipped in different containers full of water as seen in the diagrams below. Use them to answer questions that follow.



a) Which of the insects will die after some time?

b) Give the reason for your answer in a) above.

c) State one danger of insects like houseflies to man.

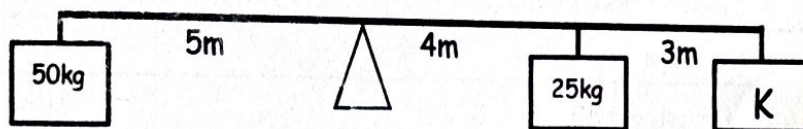
d) Name the body part of an insect where its legs are attached.

49.a) Mention the class of levers where the pivot falls.

b) To which group of machines does a ramp belong?

c) Calculate the value of K

(2marks)



50.a) In which way can a P.7 candidate help nurses promote immunization in their communities?

b) Identify any two examples of vulnerable groups of people.

(i)

(ii)

c) Give one example of special diet for vulnerable groups of people.

51. a) What is child spacing?

b) State any two problems faced by families who do not practice child spacing.

(i)

(ii)

c) Name the permanent method of family planning where a man's sperm duct is cut off.

52. a) What is the difference between skins and hides?

b) Give two ways in which skins help in the development of leather industries.

(i) _____

(ii) _____

c) Mention any one problem faced by people involved in the processing of skins and hides.

53. (a) Mention any two types of soil.

(i) _____

(ii) _____

(b) Identify any two uses of clay soil to man.

(i) _____

(ii) _____

54. a) What are non-flowering plants?

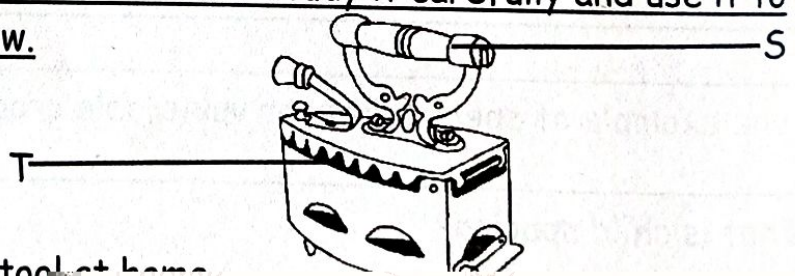
b) Write down any two economic values of conifers.

(i) _____

(ii) _____

c) State the importance of spores to spore bearing plants.

55. Below is a diagram of a tool used at home. Study it carefully and use it to answer questions that follow.



a) State the use of the above tool at home.

b) Why is part marked S made up of wood?

c) Explain the use of holes marked T when the tool is in use.

d) Name the common fuel used in the above tool.

END