

KYOTERA DISTRICT EXAMINATIONS BOARD
PRIMARY LEAVING MOCK EXAMINATION
2023

INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Candidate's Name: _____

School's Name: _____

District Name: _____

Candidate's signature: _____

Index No.

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Read the following instructions carefully:

1. This paper has two sections: A and B.
 - a). Section A has **40** questions (40 marks)
 - b). Section B has **15** questions (60 marks)
2. Answer all questions. All answers to both sections A and B must be written in space provided.
3. All working must be done using a blue or black ball point pen or ink. Only diagrams and graph work must be done in pencils.
4. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.

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		

SECTION A: 40 MARKS

Answer all questions in this section.

Questions 1 to 40 carry one mark each.

1. Mention the type of teeth that develops first in human beings.

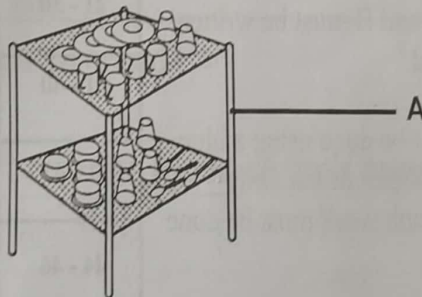
2. Give any **one** type of soil.

3. How is a mosquito similar to a mad dog in the way they spread germs?

4. Name the gas plants use during respiration.

5. Mention **one** sign of a short circuit.

The diagram below is of a sanitary item used at home. Use it to answer questions 6 and 7.



6. What name is given to the sanitary item drawn above?

7. Name the energy resource from which part marked with letter **A** is made.

8. Mention **one** type of poultry.

9. State **one** antisocial behaviour common in schools.

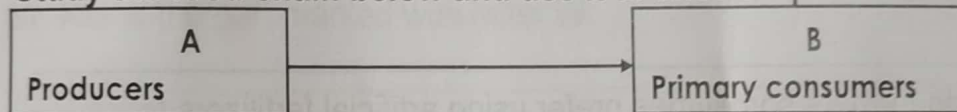
10. A lactometer was put on top of the milk surface in a jug and sunk.
What does that prove about the milk?

11. In which state of matter is honey?

12. How are red blood cells adapted to their functions?

13. Name the type of reproduction birds and mammals undergo.

Study the food chain below and use it to answer questions 14



14. What does the arrow represent in the food chain above?

15. Which process enables plants to belong to group **A**?

16. Besides hair and teeth, which other body part is always checked during health parades?

17. How is firewood important in the process of cooking?

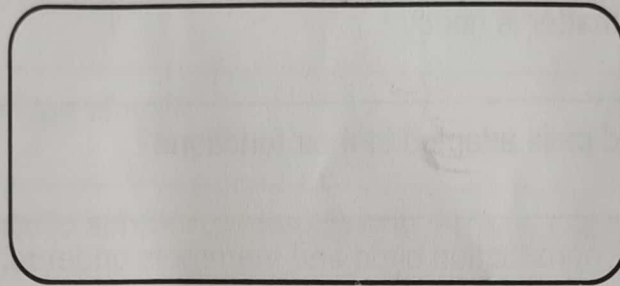
18. Mention any **one** life skill that can safeguard children against homosexuality.

19. Give any **one** factor a health worker considers before prescribing drugs to a patient.

20. Write **one** use of claws to a cat.

21. Name the type of latrine mostly used by babies.

22. In the space below, draw a garden tool used to harvest sugarcanes.



23. Mention **one** animal fibre which is used as a raw material in textile industries.

24. Why do farmers sometimes prefer using artificial fertilizers to natural fertilizers?

25. Which type of weather mainly helps farmers to preserve their harvested crops?

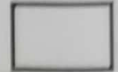
26. State any **one** effect of frequent births to mothers.

27. Give the characteristic of living things that prevents them from extinction.

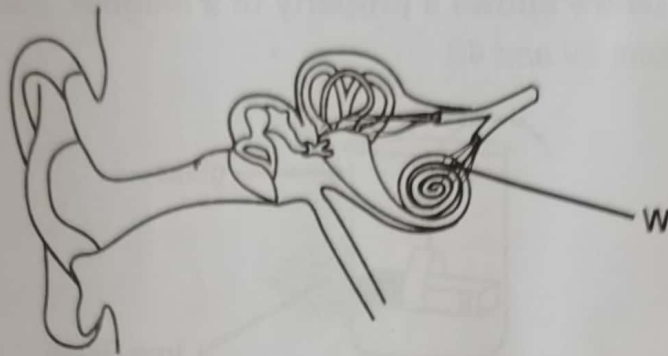
28. Write any **one** natural source of light.

29. Mention **one** method used to obtain information during health surveys.

30. How is gap filling important during crop growing?



Below is a diagram of a human ear. Use it to answer questions 31 and 32.



31. Name the part marked with letter **W**.

32. Use an arrow with letter **R** to indicate the part that changes sound waves into vibrations.

33. Mention **one** sign of a degraded environment.

34. Write **one** example of a perennial crop propagated by using suckers.

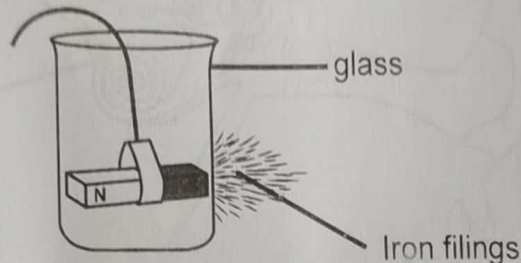
35. State any **one** reason why engineers enclose building sites when constructing buildings.

36. What force reduces the weight of objects which are immersed in water?

37. Give **one** example of a flightless bird.

38. Name the type of accident that requires application of a kiss of life.

The diagram below shows a property of a magnet. Use it to answer questions 39 and 40.



39. Which property of magnets is illustrated in the diagram above?

40. How is the above property important in daily life?

SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Mention **two** examples of materials that can be used to mulch the garden.

(i) _____

(ii) _____

b) Give any **one** reason why crop farmers mulch their gardens.

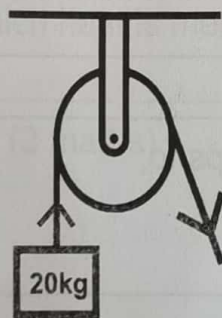
c) Which component of soil is formed when mulches rot?

42. The following processes take place during reproduction. Arrange them in the correct order of occurrence.

- i) implantation
- ii) copulation
- iii) conception
- iv) fertilization

- i) _____
- ii) _____
- iii) _____
- iv) _____

43. Below is a diagram of a simple machine. Use it to answer the questions that follow.



a) To which group of simple machines does the pulley system drawn above belong?

b) State the mechanical advantage of the simple machine above.

c) State **one** application of the above simple machine in daily life.

d) Name any other group of simple machines apart from the one drawn in (a) above.

44. a) Name the human body system which is mostly affected by COVID -19.

b) Mention any **two** ways COVID-19 spreads amongst people.

i) _____

ii) _____

c) State **one** health habit people should do to control the spread of COVID - 19.

45. a) Give **two** examples of plants whose seeds have two cotyledons.

i) _____

ii) _____

b) Mention any **two** characteristics that can help a P.6 pupil to identify a dicotyledonous plant without using seeds.

i) _____

ii) _____

46. a) Which element of P.H.C helps to;

i) save life of casualties?

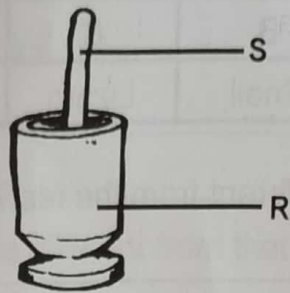
ii) protect pregnant mothers from dying while giving birth?

b) Mention **two** principles of Primary Health Care.

i) _____

ii) _____

47. Below are tools used for processing food locally. Use the diagram to answer the questions that follow.



a) Name the tool component marked;

i) R _____

ii) S _____

b) Mention any **one** foodstuff that can be processed using the above diagram.

c) Apart from the above tool, mention any other tool that can be used to process food locally.

48. a) State the units in which heat is measured.

b) Convert 25°C to $^{\circ}\text{F}$ (2 marks)

c) Name **one** insulator of heat that is commonly used by people.

49. Use the table below to answer the questions that follow.

A	B	C	D
Frog	Snail	Lizard	Goat

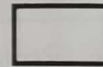
a) How is animal **B** different from the rest?

b) How does the reproduction of animal **D** differ from the rest?

c) Apart from the animal indicated in **A**, give any other **two** animals that belong to the same group.

(i) _____

(ii) _____



50. a) Name the system of rearing poultry where the floor is covered with coffee husks.

b) State **two** reasons why coffee husks are put on the floor in the system mentioned above.

(i) _____

(ii) _____

c) Why do farmers who use such a system spend much on treatment of poultry?

51. a) State **two** similarities between images formed by the pinhole camera and the human eye.

i) _____

ii) _____

b) How is the lens of the eye different from that in a lens camera?

c) Which part of the eye regulates the amount of light entering?

52. a) Give any **two** examples of renewable energy resources.

i) _____

ii) _____

b) State any **two** ways of conserving non - renewable energy resources.

i) _____

ii) _____



53. a) What type of skeleton is possessed by the following animals?

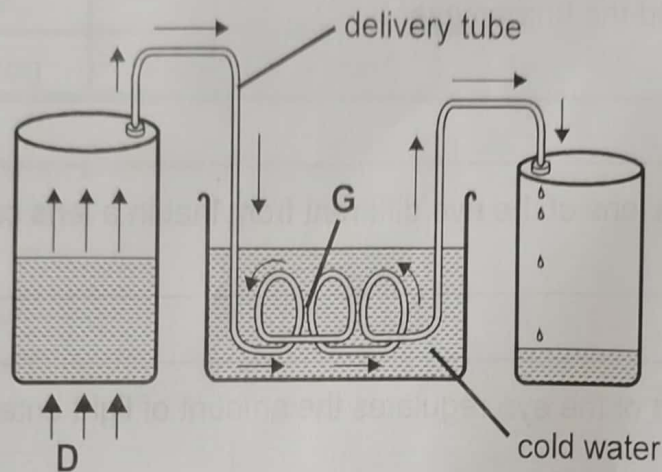
i) earthworm _____

ii) monkey _____

b) Give the importance of muscles in the body.

c) State any **one** disorder of the skeletal system.

54. Below is a method of making alcohol. Use it to answer the questions that follow.



a) Name the method shown in the diagram.

b) What do the arrows at point **D** represent?

c) Which physical process is taking place at point **G**?

d) Why is the delivery tube coiled?

55. Match animals in list A to the mode of their movement in list B.

A

sunbird

bull

dog

frog

B

runs

flies

leaps

charges

i) sunbird _____

ii) bull _____

iii) dog _____

iv) frog _____