



OUTREACH SCHOOLS EXAMINATIONS BOARD

BEGINNING OF TERM III EXAMINATION 2023

P.6 INTEGRATED SCIENCE

Time Allowed: 2 hours 15 Minutes

Pupil's Name:

Class:

School Name:

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**
2. Section **A** has 40 questions (40 marks)
3. Section **B** has 15 questions (50 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated

“For examiners’ use only” and the 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)

1. Give one element of weather.

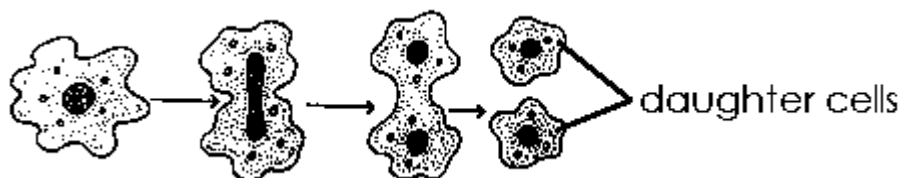
2. Name the set of teeth that replace milk teeth.

3. State one way of controlling rabbit diseases.

4. Give the type of soil that does not allow water to pass through it easily.

5. State one way of protecting our legs from cut injuries.

Study the mode of reproduction shown below and answer question



6. Name one organism that reproduces as shown in the diagram above.

7. How do plants help in rain formation?

8. Which animal is kept at home to provide security?

9. Mention the substance in cigarette smoke that is harmful the lungs.

10. State one difference between heat and temperature.

11. State the benefit of planting trees in the compound.

12. Give any one bone that makes up the ossicles.

13. How does sleeping under a treated mosquito net control the spread of malaria?

14. Mention the class of food digested in the mouth.

15. State one sign of AIDS.

16. Name the type of a family in which there is a pregnant mother, a father and a maid.

Study the foot of a bird below and use of to answer questions 17.



17. Give one example of a bird with such a foot.
-
18. How is part marked **X** useful to the bird with such a foot?
-
19. How does bush burning lead to soil erosion?
-
20. Name the type of an injury managed with the help of splints.
-
21. Write down one material bees collect from flowers.
-
22. Give one health reason for ironing clothes.
-
23. Which part of the irish potato plant is eaten by man?
-
24. Write down one reason why farmers castrate some of their billy-goats.
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25. How can one protect himself from cold conditions?
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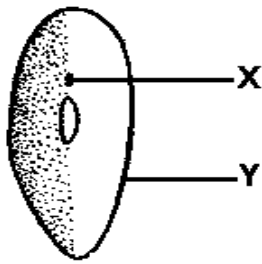
Study the diagram of a child below and answer question 26 and 27.



26. Which deficiency disease is likely to have affected the legs of the child shown above?
-
27. From which part of a plant do branches develop?
-

28. State one disadvantage of Palm Sunday to the environment.

Study the diagram of a seed below and answer questions that follow.



29. Point out the substance that enters through part marked X during germination.

30. What role is played by the food we eat in our bodies?

31. How is dehydration controlled in patients of diarrhoea?

32. Why do some objects sink in water?

33. Give one danger of cutting trees on a large scale without planting others.

34. Mention one characteristic of red blood cells.

35. Give one way of controlling preventing diseases spread by eating with dirty fingernails.

36. Why do we usually see lightning before we hear thunder?

37. Apart from polio, give another immunisable disease whose vaccine is given at birth.

38. In which body part is the heart located?

39. How do trees depend on birds in the same environment?

40. State one health danger of sharing beddings at home.

SECTION B (60 MARKS)

41(a) Give one difference between a first aid box and a first aid kit.

(b) Write down one component of a first aid kit.

(c) Apart from death, give one effect of an accident to a casualty.

(d) Why should a good first aider be quick?

42(a) Apart from food and nutrition, mention one element of PHC.

(b) How is food and nutrition as an element of PHC important in the life of a child?

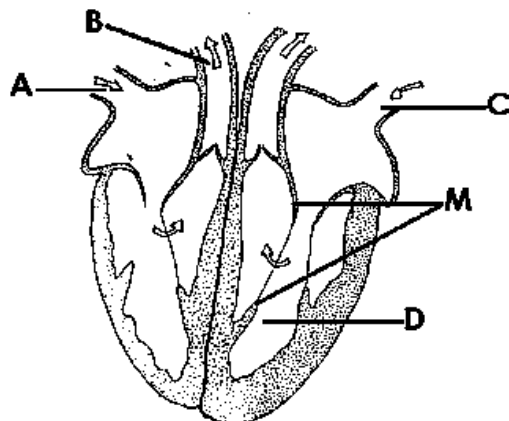
(c) Give the elements of PHC promoted through the following activities.

(i) Covering open wells and cleaning water sources

(ii) Provision of a stretcher for casualties that cannot walk

43. In the space provided below, draw a set up of an overflow can used in measurements.

44. **Study the diagram of a human heart below and answer questions that follow.**



(a) Name the part labeled D.

(b) What type of blood is carried by blood vessel marked A?

(c) To which organ does blood vessel marked B transport blood?

(d) How are the structures marked M useful in the circulation of blood?

45(a) Apart from a tapeworm, mention one other intestinal worm.

(b) What does a tape worm feed on?

(c) Write down one effect of worm infestation to a person.

(d) State one way a P.6 pupil can protect himself from intestinal worm infestation.

46(a) Which natural process is similar to distillation of alcohol?

(b) State the importance of fire during the distillation process of making alcohol.

(c) In which part of the digestive system is alcohol absorbed?

(d) What is the importance of cold water during distillation of alcohol?

47(a) What is air?

(b) Which gas takes the largest percentage in air?

(c) Why is carbon dioxide used in preservation of bottled drinks?

(d) How is wind dangerous to people?

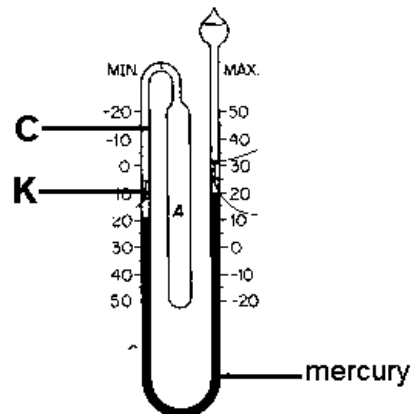
48(a) Mention one component of soil.

(b) Which type of manure do farmers obtain from animal droppings and urine?

(c) How are polythene papers dangerous to the soil?

(d) Why do people prefer using natural fertilizers to artificial fertilizers?

49. **The diagram below shows a Six's thermometer. Study it and answer questions that follow.**



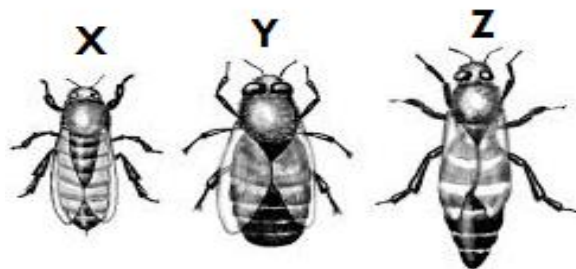
(a) Name part marked K.

(b) Which liquid is found in part labeled C?

(c) What is the use of the above thermometer at a weather station?

(d) How is the above thermometer reset?

50. **Study the type of bees below and answer the following questions.**



(a) Name bees X and Z.

(i) X _____

(ii) Z _____

(b) Mention the major product got from bee keeping.

(c) Give one way of controlling swarming in bees.

51(a) Give the item needed for keeping the following body parts clean.

(i) teeth _____

(ii) ears _____

(b) Why is it not recommendable to enter a latrine bare feet?

(c) Give one reason why there should be a container of water in a toilet or latrine.

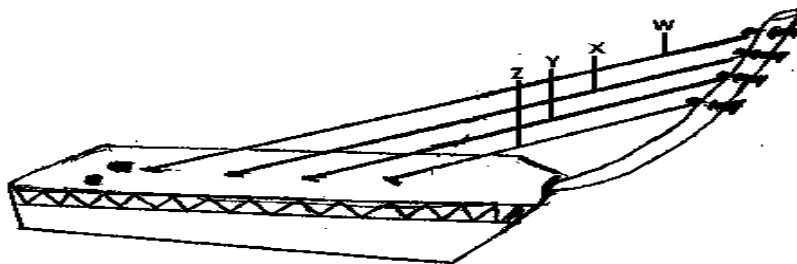
52(a) How is a spiny anteater similar to an eagle in terms of reproduction?

(b) Why is a cow regarded to be an ungulate?

(c) How are scavenger mammals useful in the environment?

(d) To which group of mammals does man belong?

53. **Study the diagram of a musical instrument below and answer questions that follow.**



(a) Name the above musical instrument.

(b) Which string on the musical instrument will produce the highest pitch of sound?

(c) Give a reason for your answer above.

(d) How does the above instrument produce sound?

54(a) Give one disease that affects cassava.

(b) How is cassava harvested?

(c) Apart from cassava, give one other crop that stores food in its roots.

(d) Why is it important for people who do heavy duties to eat cassava?

55(a) Give the types of changes responsible for the following.

(i) melting of candle wax

(ii) hatching of eggs

(iii) burning of charcoal to ash

(b) How is burning similar to rusting?

END