



GLOBE EDUCATIONAL CONSULTANCY (GEC)—KAMPALA

P.7 CLASSIC SET 2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.:

| Random Number | | | | | | | | EMIS No. | | |
|---------------|--|--|--|--|--|--|--|----------|--|--|
| | | | | | | | | | | |

Candidate's Name:

Candidate's Signature:

Candidate's School:

District Name:

Read the following instructions carefully:

1. This paper is comprised of two sections: **A** and **B**. Section **A** has **40** questions and Section **B** has **15** questions.
2. Answer **all** questions. **All** answers to **both** sections **A** and **B** must be written in the spaces provided.
3. All answers **must** be written in a **blue** or **black** ball point pen or **ink**. Any work written in pencil will **not** be marked.
4. Unnecessary changes of work and handwriting that cannot easily be read may lead to loss of marks.

Do not write 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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Transforming Nursery & Primary Schools into Super-quality Institutions

SECTION A: 40 MARKS

1. Give any one use of shadows in our daily life.

2. Write one reason why some farmers prefer keeping rabbits to goats.

3. Identify the form of energy that makes water to evaporate.

4. Why should a sick person be given special care?

The diagram below is of a bird's foot. Study it and use it to answer question 5.



5. To which group of birds does the bird with the above foot belong?

6. In which way is a molar tooth adapted to its function?

7. State any one material you would use to prepare ORS.

8. Give any one use of roots to plants.

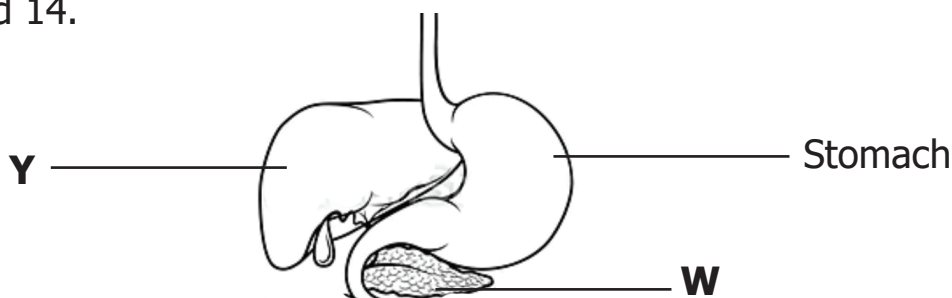
9. How is wind dangerous to people?

10. Which vectors are controlled by draining stagnant water?

11. Identify one condition needed for rusting to take place apart from oxygen.

12. Name the diarrhoeal disease that causes anaemia.

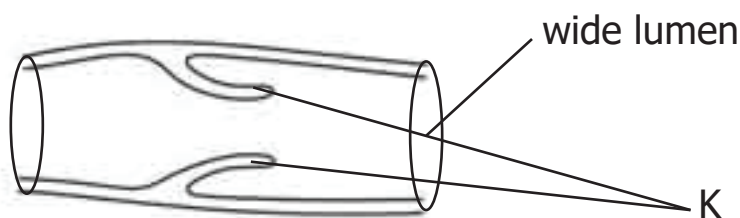
The diagram below is part of the digestive system, use it to answer questions that 13 and 14.



13. Name the part marked **Y**.

14. Write down one enzyme found in part **W**.
15. How is a cassava plant which has lost its leaves able to make its food?
16. State any one health habit that helps to keep our bodies clean.
17. Suggest one measure we can use at home to control accidents caused by burns and scalds.
18. Name the type of bees that collect nectar from flowers?
19. Name the body organ responsible for feeling.
20. Which type of skeleton do most vertebrates have?
21. Mention any one exotic breed of cattle.
22. Why does a cockroach move with its abdomen raised on a floor with maize floor?
23. How can one know a child who was immunized against tuberculosis without using a child health card?
24. Which component of loam soil makes it suitable for crop growing?

The diagram below shows a blood vessel. Study and use it to answer question 25.



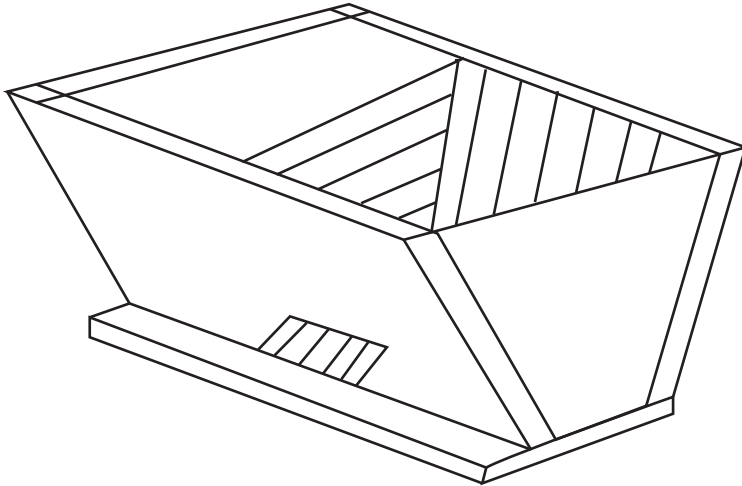
25. How are structures labelled K important in the above blood vessel?
26. Why are people in our community encouraged to drink clean boiled water?
27. How are the eggs of a fish laid in water fertilized?
28. Why should wood being burnt for charcoal be covered with soil?
29. Identify one psychological change common in adolescents.
30. Mention one characteristic of seeds dispersed by wind.

31. Convert 212⁰F to Celsius scale.

32. Why does a feather placed in a basin full of water float?

33. Give a reason why maize is grouped under annual crops.

34. The diagram below shows a type of bee hive. Name it.



35. How does a drum produce sound?

36. What type of change takes place when a nail rusts?

37. How does smoke from the kitchen move up through a chimney?

38. Give one way how pineapples are propagated.

39. State the role of sunlight during the process of photosynthesis.

40. How do conifers differ from other non-flowering plants?

SECTION B: 60 MARKS

41. a) Mention any two examples of renewable resources in the environment.

i) _____

ii) _____

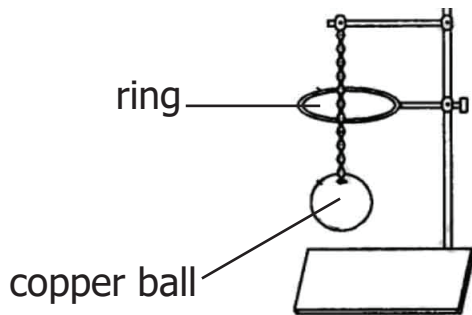
b) Give any two uses of wind as a resource in the environment.

i) _____

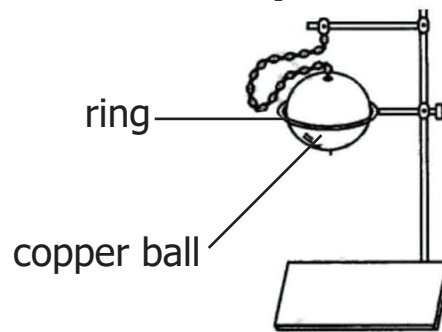
ii) _____

42. A Primary Seven class candidate carried out an experiment using a copper ball as shown below. Study and use it to answer the questions that follow.

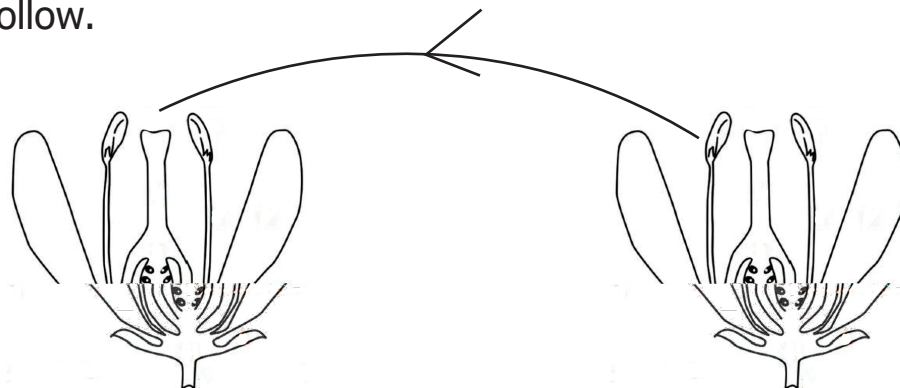
A (before heating)



B (after heating)



- a) What does the above experiment show?
-
- b) Why does the copper ball fail to pass through the ring in B?
-
- c) Write down any two effects of heat gain on matter.
- i) _____
- ii) _____
43. a) Mention any two systems of cattle keeping.
- i) _____ ii) _____
- b) Give two advantages of using paddock system in cattle keeping.
- i) _____
- ii) _____
44. a) Identify any one method of producing alcohol.
-
- b) State one scientific value of alcohol in society.
-
- c) Give any one health effect of alcohol to an individual.
-
- d) Mention one reason why some people drink alcohol.
-
45. The diagram below shows two flowers. Study it, then use it to answer the questions that follow.



- a) What type of pollination is shown in the diagram?

b) Give a reason to support your answer in (a).

c) Mention any two agents of pollination.

i) _____ ii) _____

46. a) Mention one pest that attacks root crops in the garden.

b) Suggest one way farmers can control the pest mentioned above.

c) Give any two ways pests affect farmers' crops.

i) _____

ii) _____

47. a) Write down any two uses of water at home.

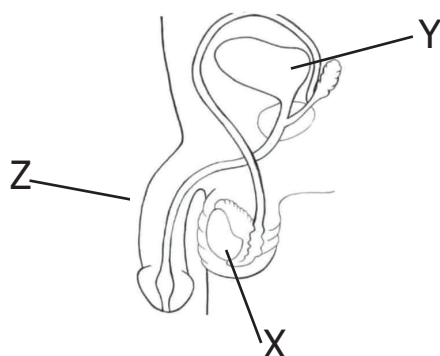
i) _____

ii) _____

b) Why is water cleaned by filtering not recommended for drinking.

c) Give one way how boiled water can be contaminated.

48. The diagram below is of a male reproductive system. Study and use it to answer the given questions.



a) Name the parts labeled X and Y.

X _____ Y _____

b) How is part marked Z useful in the above reproductive system?

c) Give one disorder of the above system.

49. a) Mention any two ways of controlling soil erosion in hilly areas.

i) _____

ii) _____

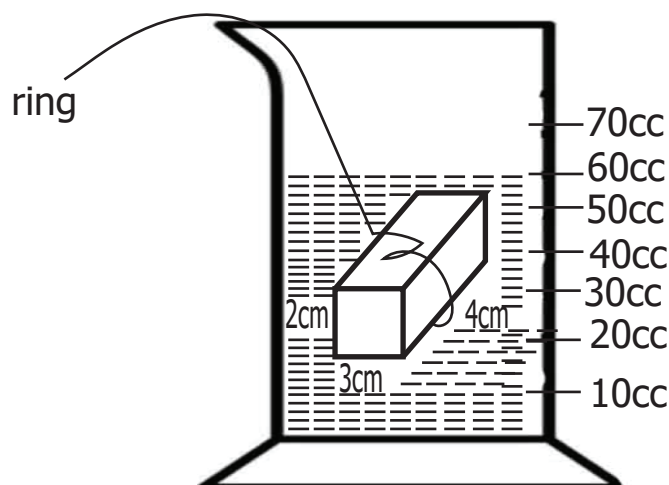
b) Give any **one** effect of soil erosion in the garden

c) Give any one natural cause of soil erosion.

50. Study and complete the table below correctly.

| Food value | Source | Deficiency disease |
|---------------|------------------|--------------------|
| i) _____ | fish | Kwashiorkor |
| Vitamin A | Green vegetables | ii) _____ |
| iii) _____ | Oranges | Scurvy |
| Carbohydrates | iv) _____ | Marasmus |

51. The diagram below shows an experiment that was carried out in a science lesson. Use it to answer the questions that follow.



a) Name the method shown in the diagram above.

b) What name is given to the container marked Q?

c) At what level will the water be when the cuboid is removed from water in the experiment below?
(2 marks)

52. a) Give two reasons for giving first aid to an accident victim.

- i) _____
ii) _____

- b) Write down any two elements of a first aid box.
i) _____ ii) _____
53. a) Give the meaning of the term an "echo".

b) Name any **one** mammal that uses echoes to trap its prey in the darkness.

c) How can echoes be reduced in cinema halls?

d) State any **one** disadvantage of echoes in the environment.

54. a) Write down any two natural family planning methods.
i) _____
ii) _____
b) Give one advantage of using natural family planning methods.

c) State one disadvantage of using natural family planning methods.

55. a) Write down the element of P.H.C that sensitizes people on ways of controlling diarrhoea spread in a community.

b) State any two principles of P.H.C.
i) _____
ii) _____
c) Give any one way in which individuals can promote P.H.C in a community.

