

THE JEROX SET ONE TERM II EXAMINATION 2023

Primary Seven Integrated Science

TIME ALLOWED: 2 HOURS 15 MINUTES

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| Index No. | Random No. | | | | | Personal No. | | |
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NAME: _____

SCHOOL: _____

SIGNATURE: _____ DISTRICT: _____

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

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- The paper is made up of two sections A and B
- Section A has 40 questions (60 marks) and Section B has 10 questions (40 marks)
- Answer all questions in both sections A and B
- All answers must be written in the spaces provided in BLUE or BLACK ink. Only diagrams should be drawn in pencil.
- Unnecessary crossing will lead to loss of marks.
- Poor handwriting which can not be deciphered may lead to loss of marks.

FOR EXAMINER'S USE ONLY

| SECTION | SCORES | REMARKS |
|---------|--------|---------|
| A | | |
| B | | |
| TOTAL | | |

Teacher's comment to the pupil

ORGANISED BY:



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SECTION A (40 Marks)

(Questions 1 to 40 carry **one** mark each)

1. Name the injury caused by hot water vapour to human body.

2. How is a toad similar to a fish in terms of reproduction?

3. What is the importance of thinning in crop growing?

4. State the importance of good sanitation in a community.

5. How does the heat from the sun reach Peter?



6. Name the process through which ice turns into water.

7. Give a reason why a magnet cannot be used to separate a mixture of iron nails and steel filings.

8. How can a short circuit be dangerous in a home?

9. Name the type of movable joint which gives a wide range of movement.

10. Why is forest conservation encouraged in a country like Uganda?

11. Which ear disorder is most likely to happen to Okello who uses sharp objects for cleaning his ears?

12. Give **one** advantage of biogas production to environment.

13. How is the life cycle of a praying mantis similar to that of a locust?

14. Give **one** danger caused by factory smoke to the people staying near factories.

15. Mention the importance of the garden tool shown below.



16. How a sprain different from a strain?

17. Which element of PHC involves sharing information about the prevention and control of COVID 19 disease?

18. Give any **one** characteristic of floating objects.

19. Which characteristic of living things leads to the removal of waste products from the body of an organism?

20. What form of energy in a dry cell is changed into electrical energy?

21. State the role of sterile bees in a hive.

22. Give **one** disadvantage of inbreeding on a cattle farm.

23. Name **one** animal that uses echoes for its survival apart from bats.

24. In which way does draining of water prevent the spread of malaria in a community?

25. Give any cause of road accidents.

26. Apart from curing diseases, give **one** other characteristic of essential drugs.

27. State any **one** way in which animals are used as energy resources.

28. Name the organ which regulates the human body temperature.

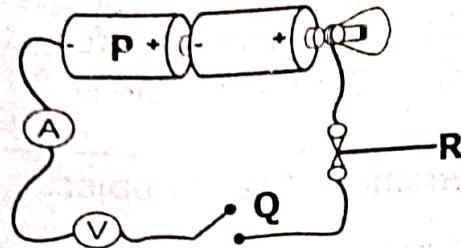
29. State **one** reason why it's easier to drink soda from a bottle using a straw.

30. Why is water not recommended for putting out petrol fire?

31. State the component of a balanced diet that keeps a pregnant mother and her foetus healthy.



Below is diagram of a simple circuit. Use it to answer questions 32 and 33.



32. Name part marked with letter **R**.

33. Give a reason why the bulb is unable to give out light.

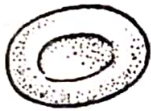
34. Why is it important to wash fresh fruits before eating them?

35. What type of change takes place when a piece of wood burns to ashes?

36. Give **one** importance of photosynthesis to flowering plants.

37. Mention **one** disorder of the digestive system that can easily lead to death if immediate medical attention is not given.

38. Name **one** disease which affects the component of blood shown below.



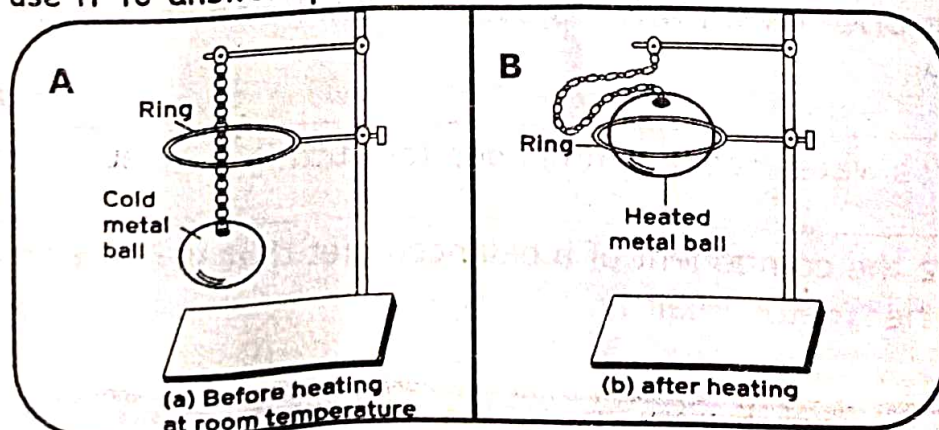
39. What are decomposers in a food chain?

40. Give **one** reason why swamps are important to people.

SECTION B (60 marks)

(Questions 41 to 55 carry **four** marks)

The diagram below shows the effect of heat on matter. Study and use it to answer questions that follow.



41(a) What does the experiment above show about metals?

(b) Give a reason why the metallic ball in diagram **B** failed to pass through the ring after heating.

(c) Apart from the effect illustrated in the diagram above, give any other **two** effects of heat on matter.

(i) _____

(ii) _____

42(a) What is excretion?

(b) Mention **one** role of each of the following organs in the excretion process.

(i) Skin _____

(ii) Kidneys _____

(c) Give **one** way of caring for kidneys.

43(a) State any **two** qualities of a first aider.

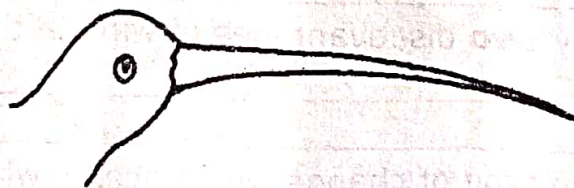
(i) _____

(ii) _____

(b) Why are splints tied around fractured limb?

(c) Give a reason why a first aider should press cotton wool on the bleeding part of a victim.

The diagram below shows a beak of a bird. Study and use it to answer questions that follow.



44(a) Name the kind of food eaten by the bird with such a beak shown above.

(b) How is the bird with such kind of beak adapted to its mode of feeding?

(c) How do flowering plants benefit from the bird with such a kind of beak?

(d) In which way is the reproduction of the sunbird similar to that of a bat?



45(a) Name the part of the human body with the following types of joints.

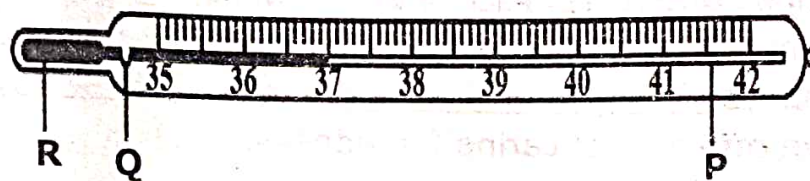
(i) hinge joint _____

(ii) ball and socket joint _____

(b) Apart from calcium, name **one** other mineral salt needed in the proper growth of bones.

(c) How is the function of ligament different from that of a tendon?

The diagram below shows a type of thermometer. Study and use it to answer questions that follow.



46(a) Name part marked with letter **P**.

(b) Why is part marked with letter **R** made of a metal?

(c) State the function of part marked **Q**.

(d) Why is it important to shake the thermometer before use?

47(a) Mention any **two** uses of carbon-dioxide in our daily life.

(i) _____

(ii) _____

(b) Give any **two** disadvantages of wind in the environment.

(i) _____

(ii) _____

48(a) State the type of change which occurs when:-

(i) Animals like chameleon changes the skin colour.

(ii) Fresh milk goes sour.

(b) Give any **two** characteristics of physical changes.

(i) _____

(ii) _____

49(a) Why should breastfeeding mothers be given a lot of fluids to drink like juice?



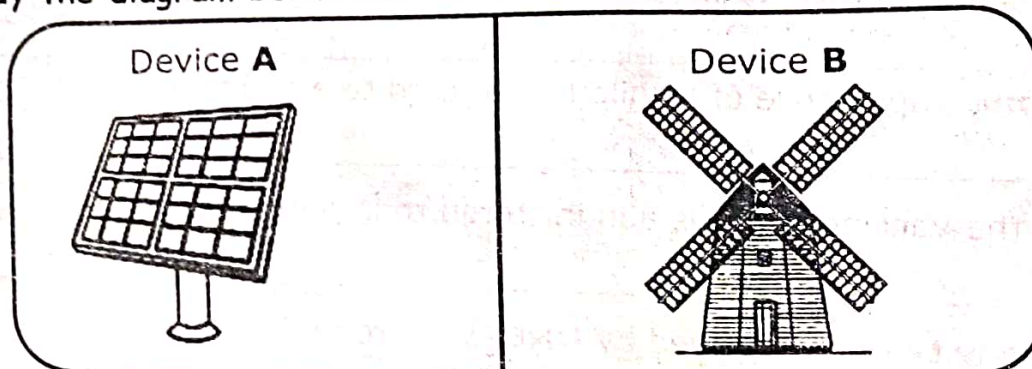
(b) How can a pregnant mother and her unborn baby be protected against tetanus?

(c) Give any **two** reasons why pregnant women visit antenatal clinics.

(i) _____

(ii) _____

Study the diagram below and use it to answer questions that follow.



50(a) Mention the resource in the environment that helps to run the devices shown above.

(i) Device **A** _____

(ii) Device **B** _____

(b) State any **two** uses of energy resource produced by device **A**.

(i) _____

(ii) _____

51. Some of the health problems can be solved without the use of drugs.

(a) Mention any **two** diseases that can be controlled without use of drugs.

(i) _____

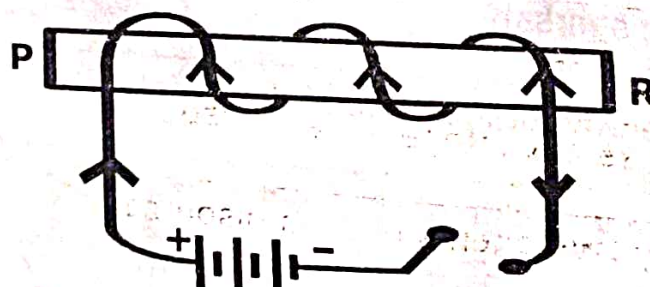
(ii) _____

(b) Give any **two** ways in which communicable diseases can spread.

(i) _____

(ii) _____

52. The diagram below shows a method of magnetization. Study and use it to answer the questions that follow.



(a) Name the method of making magnets shown in the diagram above.

(b) Identify the pole that will be formed at **P** and **R**.

(i) **P** _____

(ii) **R** _____

(c) Why is the magnet made using the method above method regarded as temporary artificial magnet?

53(a) Give **one** importance of a child health card to a health worker.

(b) Name the vaccine which is administered to infants four times.

(c) State any **two** roles played by **UNEPI** in promotion of immunization programmes in Uganda.

(i) _____

(ii) _____

54. The table below has two lists. List A show malnutritional diseases and B has food values. Match them correctly.

| List A | List B |
|-------------|---------------|
| Marasmus | Iodine |
| Kwashiorkor | iron |
| Goiter | carbohydrates |
| Anaemia | proteins |

(i) Marasmus _____

(ii) Kwashiorkor _____

(iii) Goiter _____

(iv) Anaemia _____

55(a) What is seed dispersal?

(b) State any **one** advantage of seed dispersal.

(c) Mention any **two** agents of seed dispersal.

(i) _____

(ii) _____

