

THE JUBRA EDUCATIONAL SERVICES - KAMPALA
(PRE-MOCK SET 1 2023 EXAMINATIONS)

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SEVEN

DURATION : 2 HOUR 30 MINUTES

PUPIL'S NAME : _____

SCHOOL : _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper is made up of 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 section 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.
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 Examiner's use only

FOR EXAMINERS' USE ONLY

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Turn Over

SECTION A: (40 MARKS)

1. Name one plant farmers stake?

2. Give one reason why electric wires are not fixed tight on electric poles.

3. What kind of injury is caused by wet heat?

4. Why is the trachea made up of rings of cartilage?

5. Which force enables candidates to write work in books?

6. State the role of a queen bee in a hive.

7. How does terracing control soil erosion?

8. Write down any one activity done to promote sanitation.

9. Name the non-metallic conductor used in a dry cell.

10. How is a scorpion similar to a bush baby in terms of reproduction?

11. Give a reason why animals move from one place to another.

12. Mention one example of an alloy.

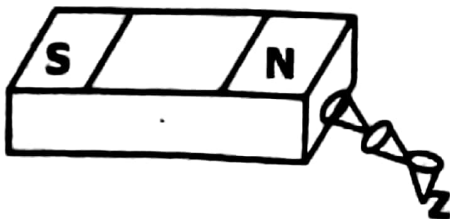
13. Write down any one tick borne disease.

14. How does a breathalyzer help in the control of motor accidents?

15. Why do second class levers use small force to overcome a greater load?

16. Name one plant propagated by use of stolon.

17. Name the method of making magnets shown below.

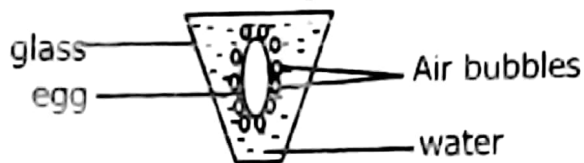


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18. State any one non-infectious disease of the digestive system.

19. What causes the imaginary pool of water appear on a tarmac road during a bright sunny weather?

20. What does the experiment below prove?



21. Mention the group of birds to which eagle belong.

22. Where are images formed in a lens camera?

23. Suggest any one domestic animal that lives in a byre.

24. How is maternal and child health care important in a community?

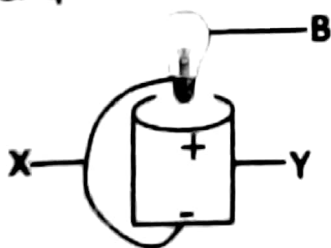
25. Apart from preventing anaemia, suggest any one other importance of iron in the body.

26. Write down any one condition that can lead to swarming in bees.

27. State any one way in which plants avoid cross pollination.

28. What happens to the diaphragm when a person breathes in?

The diagram below shows a simple electric circuit. Use it to answer questions that follow.



29. Why is part labelled B made of transparent material?

30. Name the energy change that take place at Y?

31. Why does sugar dissolve when put in water?

32. How can a P.7 pupil maintain sanitation at school?

33. Give one similarity between Rhizopus and a liverwort.

34. Name the process in plants that leads to osmosis.

35. How are sea mammals able to keep their body temperature constant?

36. How is charcoal obtained in the environment?

37. In the space provided below, draw a red blood cell.

38. Which dangerous chemical causes narrowing of blood vessels?

39. Which amphibian lays eggs as illustrated below?



40. How does crop rotation improve soil fertility?

SECTION B (60 MARKS)

41a) Name any two types of soil.

- (i) _____ (ii) _____
- b) State any one way by which soil is formed.

c) Which type of soil has the highest drainage?

42. Given the list below;

bat, crocodile, toad, snake

a) Which two animals can be grouped together?

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b) Give two reasons for your answer above.

- (i) _____
(ii) _____

c) Which animal has different mode of reproduction?

43a) State any two reasons why school gardens are important.

- (i) _____
(ii) _____

b) Give any one reason why crop rotation should be practised on school gardens.

c) State any one way in which the school children can get involved in caring for a school garden.

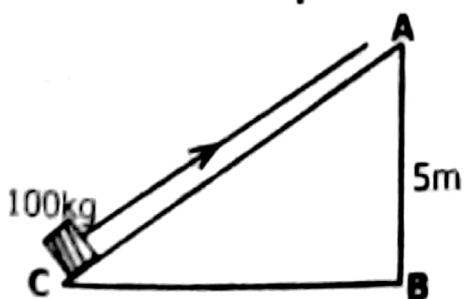
44a) Write AIDS in full.

b) Name one opportunistic disease.

c) State any one cause of teenage pregnancy among youth.

d) Write any one group of people at a high risk of getting HIV/AIDS.

45. The diagram below shows a machine used to lift load. Use it to answer the questions that follow.



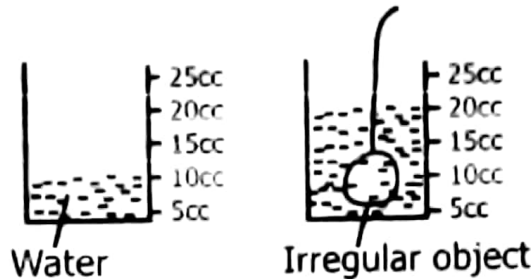
a) What distance is the load to be lifted?

b) Give the advantage of lifting the load along side CA.

c) Find the mechanical advantage of the machine if the effort used was 50kgf.

d) How can the machine be improved so that less effort is used to lift the load?

46. An experiment was done by P.7 class as shown in the diagram below.



a) When is such a method of finding volume used?

b) Find the volume of the irregular object.

c) Why do objects weigh less on the moon than on the earth?

d) What happens to the volume of water when frozen?

47. What are communicable diseases?

b) Give any two examples of respiratory communicable diseases.

(i)

(ii)

c) State any one practice in a community that would help in the control of communicable diseases.

48a) What are vaccines?

b) Give two vaccines used in the immunization of COVID-19.

(i)

(ii)

c) How can one acquire immunity against pertussis in the body?

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49a) Suggest any two examples of stem tubers.

(i) _____ (ii) _____

b) Write two ways of caring for harvested crops.

(i) _____

(ii) _____

50a) Mention any one reason for steaming pregnant cows.

b) Where in a cow does fertilization take place?

c) State any two examples of a dairy breed of cattle.

(I) _____ (ii) _____

51a) Why is it a bad practice to apply soil or cow dung on any burnt area of our skin?

b) Suggest any two reasons why the injured part with a burn or scald is dipped into cold water.

(i) _____

(ii) _____

c) How can you help a victim with a foreign body in the throat?

52. The diagram below shows a human kidney. Use it to answer questions.



a) Name the parts named with letters;

X _____

Y _____

b) State the function of part marked Z.

c) To which body organ does part W lead urine to?

53a) Give one danger of a person who gets used to taking drugs of dependency.

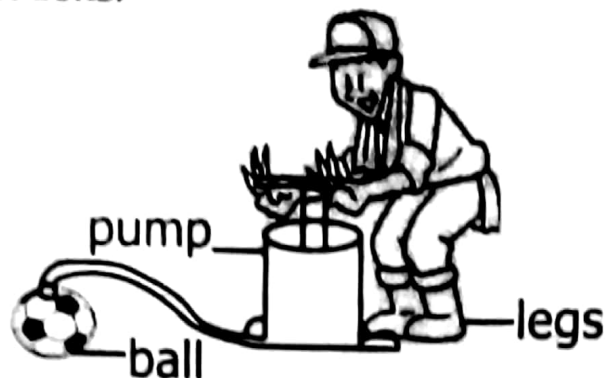
b) Suggest any two reasons why it is not advisable to take drugs bought from local shops.

(I) _____

(ii) _____

c) State any one life skill one can use to prevent using drugs of dependency.

54. Below is a diagram which was carried out by Joseph. Use it to answer questions.



- a) Name the property of air that helps Joseph to carry out the above activity.
- b) Apart from the above activity, give any other application of the above property of air.
- c) State any one rare gas used in the above activity.
- d) Suggest the component of air used for respiration.

55. How are swimming birds adapted to their mode of feeding?

- b) Why are egrets seen moving with cattle during grazing?
- c) Name one way scavenger birds are important in the environment.
- d) Suggest one example of a scavenger animal.