

JINJA DISTRICT MOCK ASSESSMENT 2024

INTERGRATED SCIENCE

Time Allowed: 2 HOURS: 15 MINUTES

INDEX NUMBER

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Candidate's Name:

Candidate's Signature:

Random Number.....

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

Read the following instructions very carefully:

1. This paper is made of two sections **A** and **B**.
2. Attempt **all** questions.
3. Answers for both sections **must** be written in the space provided.
4. Section **A** has **40** questions (**40 Marks**) and section **B** has **15** questions (**60 Marks**)
5. All answers must be written in **blue** or **black** ball point or ink. Only **diagrams** and **graph** work must be done in **pencil**.
6. Any handwriting that **cannot** be easily Read may lead to **loss** of marks.
7. Un necessary crossing may lead to **loss** of marks.
8. Do not fill any thing in the box indicated **"For examiner's use only"**

FOR EXAMINER'S USE ONLY

Qn. No.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 45		
46 - 50		
51-55		
TOTAL		

SECTION A

1. Write the main cause of short circuit.

2. How does breast feeding boost the immunity of the baby?

3. How is a rainbow formed?

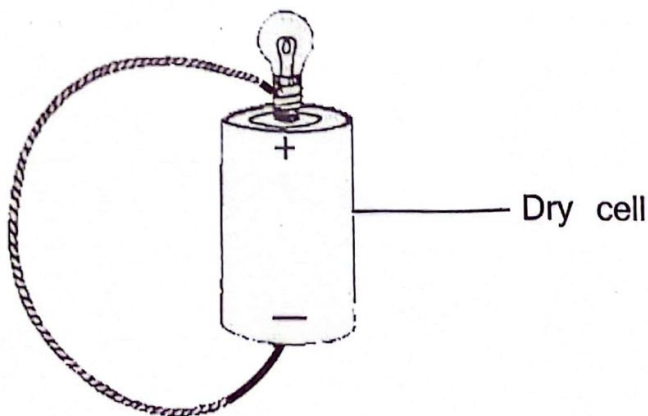
4. What do you understand by the term germination?

5. State the main product of respiration.

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

7. What is the importance of water in our bodies?

The diagram below is of a simple circuit. Use it to answer questions 8 and 9.



8. Complete the diagram above.

9. What energy change takes place in the cell when the circuit is complete?

10. How does a millipede protect its self?

11. In which state of matter is heat transfered by conduction fastest?

12. Why is dew formed at night?

13. What is the disadvantage of having anthills in your garden of maize?

14. Give one danger of teenage pregnancy to a P.7 pupil.

15. Identify one effect of the rotation of the earth.

16. Write down any one bacterial skin disease.

The diagram below shows a light ray. Use it to answer questions 17 and 18.



17. At what point is light coming from?

18. What does the above diagram show about light?

19. Why do most farmers prefer natural insemination to artificial insemination?

20. Which type of pulley has a mechanical advantage of two?

21. Give any one requirement of starting a school garden.

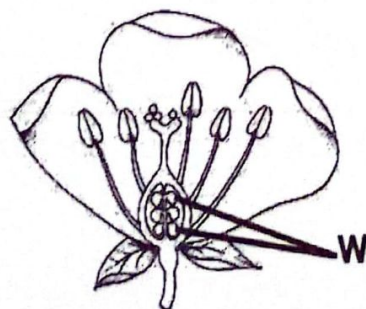
22. Identify one difference between veins and arteries.

23. State the method used in making alcohol.

24. What is the importance of keeping drugs away from the reach of children?

25. How is the propagation of sweet potatoes different from that of Irish potatoes?

Use the diagram below to answer questions 26 and 27.



26. Which part of the plant is drawn above?
-
27. Which type of pollination do plants with the above part undergo?
-
28. What is electricity?
-
29. How can we separate water from alcohol?
-
30. Give a reason to support your answer in (29) above.
-
31. Identify the herbivorous mammal that spends most of its time in water.
-
32. Give one problem that can result from producing very many children.
-
33. Why is soaking an important process when cleaning clothes?
-
34. Why do boys abstain from sex?
-
35. Write down any one mineral deficiency disease.
-
36. Give one way wastes like plastics may be reused.
-
37. How do bulls protect themselves?
-
38. Which component of air do cattle farmers use to preserve semen?
-

The diagram below shows a human foot. Use it to answer questions 39 and 40.



39. Under which class of lever does it belong?
-
40. Use letter P to show the position of the pivot on the foot above.
-

SECTION B

41. (a) Describe how single touch method is done when making magnets.
(3 marks)

- (i) _____
 - (ii) _____
 - (iii) _____
- (b) Write down any one property of magnetism.

42. (a) Write down two diseases associated with drinking contaminated water.

- (i) _____
 - (ii) _____
- (b) Which method makes water safe for drinking?

(c) Identify any one vector that breeds from water.

43. (a) How is a pest different from a parasite?

(b) Write down any two parasites that can lower the quality of cattle hides.

- (i) _____
 - (ii) _____
- (c) In which way can a farmer improve on the quality of his cattle hides?

44. Use the diagram below to answer the questions that follow.



(a) How are the treads on sole of the shoe above able to increase friction?
(2 marks)

(b) Identify one other way of increasing friction.

(c) Give one advantage of friction to a P.7 pupil.

45. (a) Why is a fish regarded as a wild animal?

(b) Write down one characteristic of fish.

(c) How do we care for wild animals?

(i)

(ii)

46. (a) Name any one example of a long bone in the lower arms.

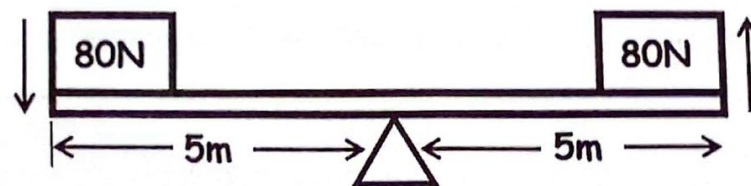
(b) How are joints adapted to their functions?

(c) Give two ways, how doing regular physical exercises can improve on the proper working of the skeletal and muscular system.

(i)

(ii)

47. Study the diagram below and answer the questions that follow.



(a) Indicate on the diagram the position of the load and the effort.

(1 mark)

(b) In which class of lever is the seesaw above?

(c) Give one way the above machine is useful in our daily life.

48. (a) What determines the quality of images on a pin hole camera?

(b) Which part of a pinhole camera has the same function as the retina of a human eye?

(c) Give any two characteristics of images formed by the pinhole camera.

(i)

(ii)

49. (a) What is drowning?

(b) Give any one cause of drowning in a community.

(c) What is the importance of kiss of life to a person who has near drowned?

(d) Give one way schools can protect their pupils from near drowning.

50.(a)What is seed dispersal?

(b) In which way are most berries dispersal?

(c) Why is it easy for water to disperse a coconut seed?

(d) Give one disadvantage of seed dispersal.

51.(a)Write down two activities which can be done by a family to promote personal hygiene.

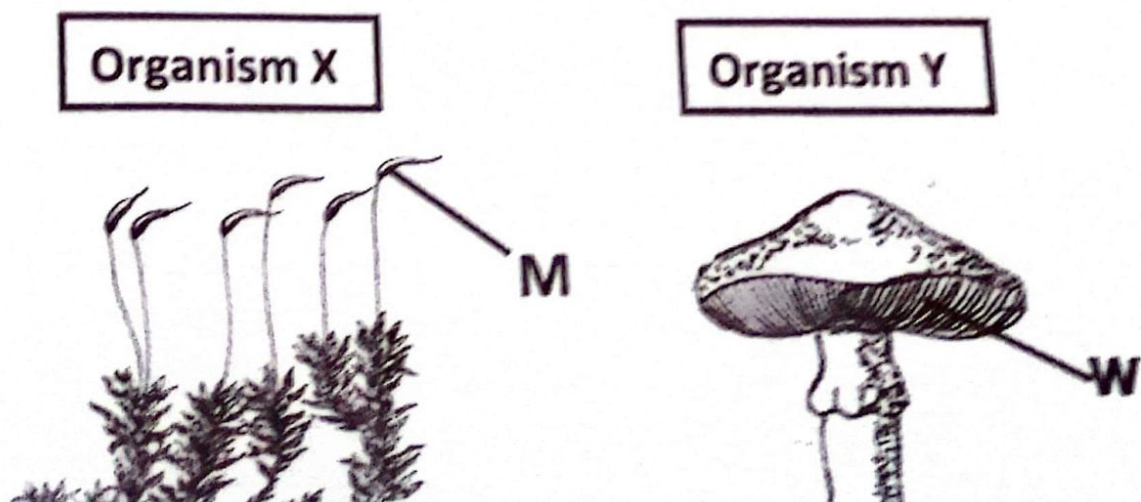
(i) _____

(ii) _____

(b)Give the main reason why the government of Uganda encourages people to use family planning.

(c)Which element of P.H.C promotes oral health?

52. Use the diagrams below and answer questions that follow.



(a) Name the part marked M.

(b) State the importance of part K.

(c) How are the above two organisms similar in terms of reproductions?

(d) How are the above organisms different from each other?

53.(a) Explain how you use electricity to make a magnet.

(b) Write down any two appliances at home that use electricity and magnetism to work.

(i) _____

(ii) _____

(c) Give one advantage of electricity in our daily life.

54.(a) What is personal hygiene?

(b) Write down any one parasite that attacks people due to poor personal hygiene.

(c) Give one sign of poor personal hygiene in a classroom setting.

(d) How does the use of water help to improve on a person's hygiene?

55.(a) What are roughages?

(b) Give any two sources of roughages.

(i) _____

(ii) _____

(c) Write down one sign of constipation in children.

***** END *****