



ST. LINO JUNIOR SCHOOL -NAKAWUKA

PRIMARY SEVEN PRE MOCKS (MID TERM SET) EXAMINATIONS 2024

INTERGRATED SCIENCE

Time: 2 Hours 15 Minutes

INDEX NUMBER

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Pupil's Name.

Pupil's Signature.

School Name.

District Name.

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. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 40 questions (40 marks)
4. Section B has 15 questions (60 marks)
5. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
6. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
7. Crossing out of answers will lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.

FOR EXAMINER'S USE ONLY

Section	Marks	Initials
Sec A		
Sec B		
Total		
Grade		

Teacher's Comment

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SECTION A (40 MARKS)

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

1. Name any one example of a stem tuber.

.....

2. How do sea mammals keep themselves warm in water?

.....

3. What name is given to the larva stage of a mosquito?

.....

4. Give any one use of light to people apart from enabling them to see.

.....

5. Identify any one thing that happens to air we breathe in nasal passage.

.....

The diagram below shows a beak of a bird.



6. What does the bird whose beak is shown above feed on?

.....

7. Mention the immunisable skeletal disease.

.....

8. How can we promote proper food digestion?

.....

9. In which way does the sun help to preserve seeds?

.....

10. How does brushing teeth prevent tooth decay?

.....

11. Apart from radios, mention any other household appliances that use both electricity and magnet.

.....

12. How does the human skin regulate the body temperature?

.....

13. Give any one use of water to plants.

.....

14. Identify one skin disease brought by poor personal hygiene.

.....

15. In which state of matter does sound travel fastest?

.....

16. Write down the immediate help you would give to a person who has been burnt by a hot spoon.

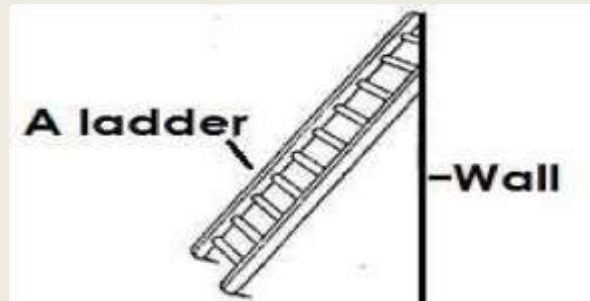
.....

17. Apart from using bulbs, how else are onions propagated?

.....

18. What state of matter is steam?

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



19. Under which group of simple machines do the above belong?

.....

20. Apart from the above example, name any other example of simple machine that is grouped under the same group as the one above.

.....

21. Name the insect that doesn't lay eggs but produces larva.

.....

22. In which kind of weather condition do the electric wires sag?

.....

23. How are coconut seeds dispersed?

.....

24. Give one example of a vertebrate that uses a shell to protect itself.

.....

25. State any one disease that affects red blood cells.

.....

26. Name the structures that enable geckoes to move upside down the ceiling.

.....

27. Which component of air is used by plants to make proteins?

.....

28. What determines the size of the image in a pin hole camera?

.....

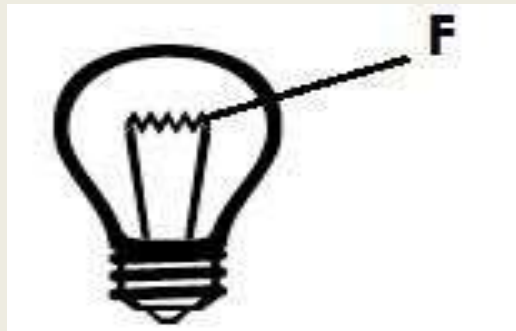
29. Which vector spreads typhus fever to people?

.....

30. Of what importance are the bright feathers to a hen?

.....

Study the diagram of an electric bulb below and use it to answer question 31.



31. Why is part marked F made of coiled wires?

.....

32. Mention any one example of litter found in poultry house.

.....

33. Of what importance is litter mentioned above in a poultry house?

.....

34. Name the germ that causes polio.

.....

35. The mass of a stone is 50g. If its volume is 10cc. calculate its density.

36. State any one reason why handles of umbrella are made of plastic or rubber.

.....

37. Apart from killing germs, identify any other use of hydrochloric acid during digestion.

.....

38. What scientific name is given to the smallest particles that make up matter?

.....

39. What happens when pollen grains land on the stigma?

.....

40. Name one breed of cattle reared in Uganda.

.....

SECTION B (60 MARKS)

41. a) What is environmental degradation?

.....

.....

b) Give any two artificial causes of environmental degradation.

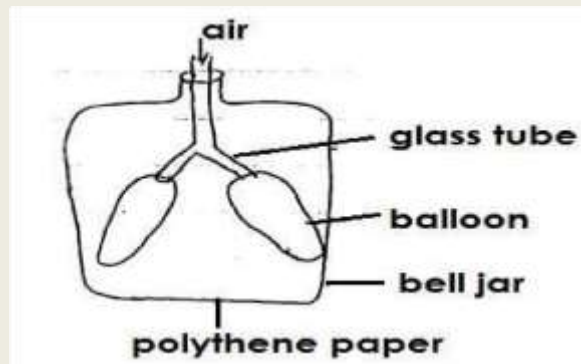
(i)

(ii)

c) Mention any one way in which the environment can be conserved.

.....

42. The diagram below shows the way in which one of the systems of the human body works. Use it to answer the questions that follow.



a) Name the system.

.....

b) What does a balloon represents?

.....

c) What does a polythene paper represent?

.....

d) What would happen to the polythene if air is removed from the balloon?

.....

43. a) What name is given to animals with back bones?

.....

b) Mention any two groups to animals with back bones.

(i)

(ii)

c) Why a duck is billed platypus referred to as a mammal yet it lays eggs?

.....

44.a) Why should an ordinary pit latrine be smoked regularly?

.....

b) Give any two indicators of poor sanitation in a home.

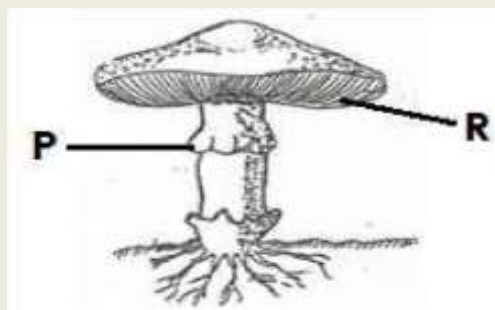
(i)

(ii)

c) Write **ECOSAN** in full.

.....

45. The diagram below shows fungi. Use it to answer questions that follow.



a) Name part marked **P**

.....

b) How does the above fungi reproduce?

.....

c) State the function of part marked R.

.....

46.a) What specific name is given to the vertical arrangement of soil layers?

.....

b) Write down any two activities that destroy the soil.

(i)

(ii)

c) How does crop rotation help in maintain the value of the soil?

.....

47.a) Suggest two ways in which people in your locality use heat.

(i)

(ii)

b) Suggest a reason why the inner walls of a solar drier are painted black.

.....

c) How does heat help to speed up the drying of wet clothes?

.....

48.a) Name the weather instrument used to measure the amount of rainfall received in an area.

.....

b.) Give reason why people are advised to,

(i) Put the instrument named in (a) above in an open ground when using it.

.....

(ii) Raise the instrument 30cm above the ground when using it.

.....

c) What is the importance of a ceilometer as a weather instrument?

.....

49.a) State two roles played by the ovaries during reproduction.

(i)

(ii)

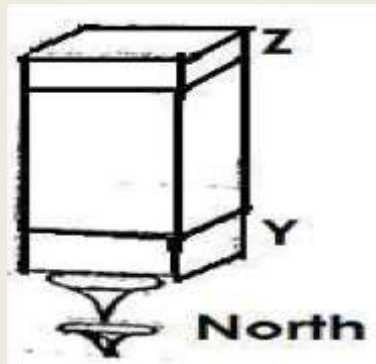
b) What name is given to the hormone in male animals that determines the secondary sex characteristics?

.....

c) Give one way of safe guarding against teenage pregnancy among girls below the age of 18.

.....

50. The diagram below shows a method of marking a magnet. Use it to answer questions that follow.



a) Name the method shown above.

.....

b) What name is given to the magnet made by using the method named_in (a) above.

.....

c) Give any one way in which a magnet can be used in a kitchen.

.....

d) Name the pole marked Y.

.....

51.a) Give one example of the following types of joints

(i) Hinge joint

.....

(ii) Ball and socket joint.

.....

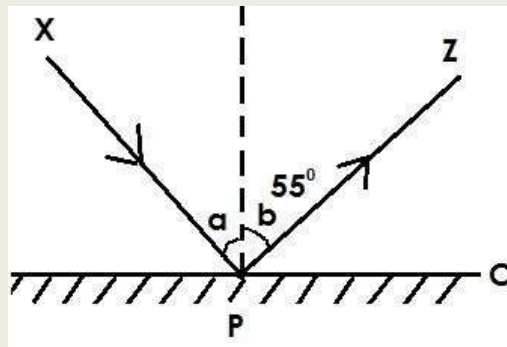
b) Mention the structure that joins a bone to a bone.

.....

c) Name the longest and strongest bone in human body.

.....

52. The diagram shows a ray of light striking a smooth surface. Study it and use it to answer questions that follow.



a) Name any one example of a material that can be used at material C.

.....

b) What is the size of angle a

c) Name the following rays

(i) XP.

(ii) PZ.

53. Match the following items in A with those in B correctly

List A

Nuclear electricity

Geothermal electricity

Thermal electricity

Hydro electricity

List B

fast flowing water.

burning fuels.

hot rocks in the earth.

produced from uranium

- a) Nuclear electricity.
- b) Geothermal electricity.
- c) Thermal electricity.
- d) Hydro electricity.

54. Study the table below and answer the questions that follow.

List A	List B
Hen	Seals
Dove	Whale
Duck	Porpoise
Turkey	Dugongs

- a) To which class of animals do those in B belong?

.....

- b) In which way are animals in list A similar to those in B.

.....

- c) Apart from those in list B. Give any other animal that fits in the list.

.....

- d) State the characteristic which is common in animals in both list A and list B.

.....

55. How does each of the following animals protect itself against its enemies?

a) Chameleon.

.....

b) Porcupine

.....

c) Skunk

.....

d) Scorpion

.....

END

Good luck