

CITY NURSERY AND PRIMARY SCHOOL.

P.7 PRE-END OF TERM I EXAMS.

INTEGRATED SCIENCE 2024.

Time Allowed: 2 hours 15 minutes

INDEX NO. 

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CANDIDATE'S NAME: \_\_\_\_\_

SCHOOL NAME: \_\_\_\_\_

DISTRICT NAME: \_\_\_\_\_

SECTION A (40 MARKS)

1. Which part of air supports burning?  
\_\_\_\_\_
2. State the basic units for measuring mass.  
\_\_\_\_\_
3. How are whiskers important to a rabbit?  
\_\_\_\_\_
4. Mention any one example of chemical change that takes place in living things.  
\_\_\_\_\_
5. Where does the process of respiration take place in the human body?  
\_\_\_\_\_
6. State any one property of air.  
\_\_\_\_\_
7. How is a kink of a clinical thermometer similar to valves in the heart in terms of their functions?  
\_\_\_\_\_

8. Identify any one indicator of poor sanitation at school.

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9. How is a stretcher important to a first aider?

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10. Give the main reason why farmers rear merino sheep.

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11. Why are biceps and triceps regarded as antagonistic muscles?

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12. Name the body sense organ used to detect hot tea.

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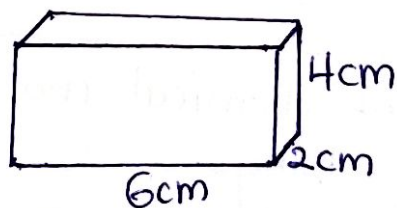
13. What are vectors?

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14. Write down any one form of energy obtained from the sun.

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15. Calculate the volume of the brick shown below.



16. Which part of a bean seed develops into the shoot system during germination?

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17. Which term is used to mean objects which do not have definite shapes.

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18. Which component of air helps plants to make proteins.

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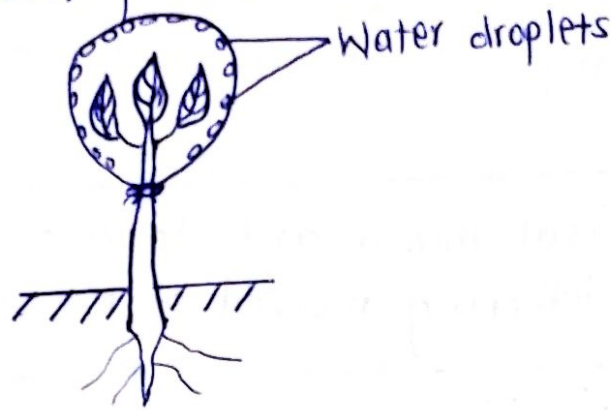
19. Define the term legumes.

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20. Mention any one sign of pregnancy among women.

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21. Name the plant process shown in the diagram below.



22. What type of mechanical energy is possessed by wind?

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23. Mention any one example of an animal fibre.

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24. Suggest any one way how plants depend on animals in the environment.

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25. Apart from being with sharp curved strong claws on their feet, give any other adaptation of a leopard to its mode of feeding.

---

26. State what happens to the two unlike poles of magnets when they are brought near each other.

---

27. State the difference between burns and scalds.

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28. Explain how a sweater keeps the body of a p-7 child warm during cold weather.

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29. How are salmonella typhi germs harmful to human health?

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30. Write any one result of teenage pregnancy among adolescent girls.

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31. Mention any one characteristic of physical changes.

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32. How is sisal important to a cattle farmer who uses tethering method of rearing cattle.

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33. State the scientific name given to a clear liquid obtained from the method of filtration.

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34. Give any one importance of dehorning on a cattle farm.

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35. Identify any one example of a water habitat vector disease.

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36. How is a pullet different from an off layer in poultry management.

---

37. Mention any one permanent method of family planning.

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38. What does letter S stand for in "AIDS"?

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39. What type of change takes place when an egg breaks?

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40. How are soft pads under the feet of a cat helpful while looking for food.

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### SECTION B (60 MARKS)

41 a) How does a millipede behave when frightened?

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b) To which group of invertebrates does a millipede belong?

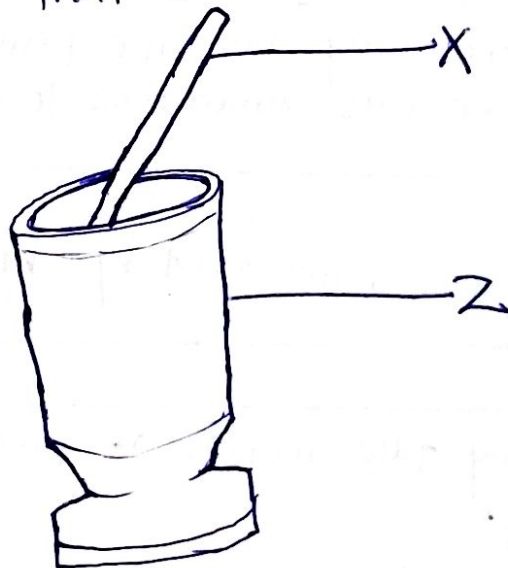
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c) Besides the group mentioned in (b) above, mention any other two groups of invertebrates.

i) \_\_\_\_\_

ii) \_\_\_\_\_

42. The diagram below is of two items used in food preparation. Use it carefully to answer the questions that follow.



a) Name the item marked with letters;

X \_\_\_\_\_

Z \_\_\_\_\_

b) Mention any two food stuffs prepared using the items drawn above.

i) \_\_\_\_\_

ii) \_\_\_\_\_

43 a) Define the term implantation as used in reproduction.

---

b) In which way are ovaries similar to testes in terms of their functions.

---

c) List down any two disorders of the female reproductive system.

i) \_\_\_\_\_

ii) \_\_\_\_\_

44 a) Daniel, a cattle keeper removed the testes of his bull. Which practice was practised by Daniel on his farm?

---

b) Mention any two advantages of the above practice on Daniel's cattle farm.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Give any one way how the practice mentioned in (a) above was dangerous to Daniel's bull.

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45 a) What do you understand by breast feeding?

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b) Suggest any two merits of breast feeding to the baby.

i) \_\_\_\_\_

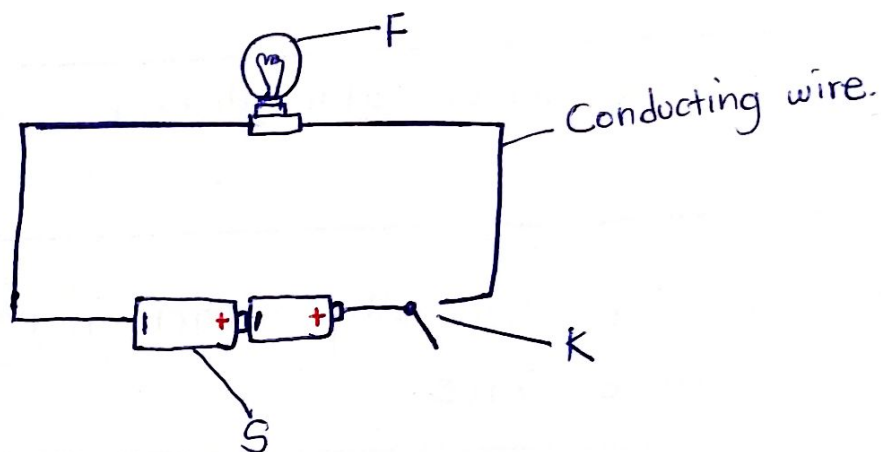
ii) \_\_\_\_\_

c) Write down any one condition that may stop a mother from breast feeding her baby.

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46. Study the diagram below and answer the questions below it.



a) Name the part marked with letter F.

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b) What energy change takes place in part S when part K is closed.

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c) How is part K similar to a fuse in terms of their functions?

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d) Calculate the amount of voltage contained in the circuit drawn above.

47 a) Name the type of immunity acquired through;

i) recovery from illness \_\_\_\_\_

ii) Immunization \_\_\_\_\_

b) How is Hep B vaccine administered to babies during immunization.

---

c) Mention any one immunisable disease caused by a virus.

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48 a) State any two reasons why friction is regarded as a nuisance force.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Why do road builders construct roads with rough surfaces?

---

c) Mention any one way of reducing friction along the surface of an object.

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49. Use the list of animals below to answer the questions that follow.

Frog, Chameleon, Spiny ant eater, Eagle.

a) Identify an amphibian from the list above.

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b) Give any one common characteristic to all animals in the above list.

---

c) Which group of vertebrates is not represented in the above list?

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d) How is a chameleon similar to a spiny ant eater in terms of their reproduction?

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50 a) What is swarming?

b) Suggest any two causes of swarming in bees.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) Mention any one way how a bee keeper can prevent swarming of his bees.

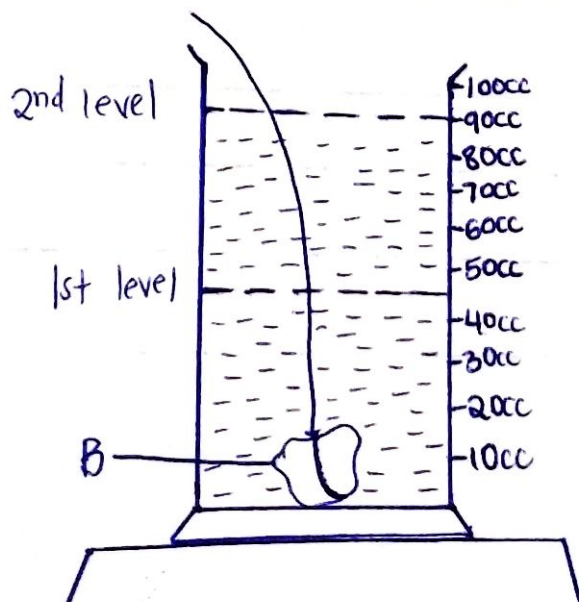
51. a) Why is sorting of clothes done before they are cleaned?

b) State any one factor considered when sorting clothes.

c) Besides sorting, give any one other step taken while washing clothes.

d) Which element of P.H.C is promoted by washing clothes.

52. Below is a method used to find the volume of some objects. Use it carefully to answer the questions that follow.



a) Name the container that was used in the above method of finding volume.

---

b) Name the kind of objects whose volume is found using the method drawn above.

---

c) Calculate the volume of object marked B.

d) Mention any one characteristic of object A as shown in the diagram above.

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53. Match the garden tools in list A to their uses in list B correctly.

List A  
Trowel

Spade

Secateurs

Sickle

List B

For pruning

For harvesting cereals

For mixing manure

For transplanting

i) Trowel \_\_\_\_\_

ii) Spade \_\_\_\_\_

iii) Secateurs \_\_\_\_\_

iv) Sickle \_\_\_\_\_

54a) Write down any two changes of state of matter that take place in the absence of heat.



i) \_\_\_\_\_  
ii) \_\_\_\_\_

b) mention any two effects of heat gain on matter.

i) \_\_\_\_\_

ii) \_\_\_\_\_

55. Fill in the table below by writing the group of birds or example of birds that belong to a given group.

GROUP OF BIRDS	EXAMPLE OF A BIRD
i) _____	Pelicans
Wading birds	ii) _____
iii) _____	Ostrich
Birds of prey	iv) _____