

MASINDI MUNICIPAL COUNCIL SCHOOLS
END OF TERM TWO ASSESSMENT, 2024
PRIMARY SIX
INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Name:.....

School:.....

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
Section **A** has **40** questions and Section **B** has **15** questions. The paper has **8** printed pages altogether.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers must be written using a **blue** or **black** ball-point pen or ink. Any work written in pencil other than graphs, pictures and diagrams will **not** be marked.
4. Unnecessary **changes** of work may lead to **loss** of marks.
5. Any handwriting that cannot easily be read may lead to **loss** of marks.
6. Do **not** fill anything in the boxes indicated "**For Examiners' Use Only**".

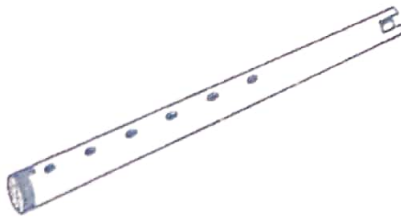
FOR EXAMINERS' USE ONLY	
Page NO.	MARKS
Page 2	
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Page 8	
TOTAL	

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

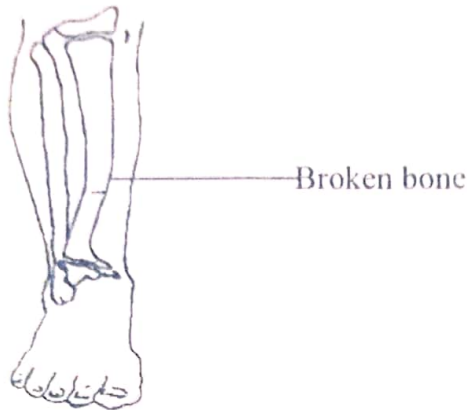
1. Name any one living component of the environment.
.....
2. How do white blood cells keep the human body healthy?
.....
3. Write down any one way of caring for domestic animals in the environment.
.....
4. Why does a milkman smear the teats of a cow with milking jelly before milking?
.....
5. Write down any one sign that shows worm infection among human beings.
.....

The diagram below shows musical instrument. *Study and use it to answer questions 6 and 7.*



6. Name the group of musical instruments to which the above instrument belongs.
.....
7. How does the instrument above produce sound when played?
.....
8. Write down any one effect of poor feeding to the human body.
.....
9. Why do we usually put on light clothes during sunny weather?
.....
10. Give any one use of insects in the environment.
.....
11. State the difference between molar and premolar teeth.
.....
12. Why is water called a universal solvent?
.....
13. State any one benefit of ploughing the land before planting.
.....
14. Write down any one property of sand soil.
.....

The diagram below shows a type of fracture. *Study and use it to answer questions 15 and 16.*



15. Which type of fracture is shown in the diagram above?
.....
16. Why is the above type of fracture common in babies?
.....
17. State any one way scorpions are similar to spiders.
.....
18. Mention any one method used to administer drugs into the human body.
.....
19. Give any one reason why rabbit hutches should always be raised above the ground.
.....
20. How do crop farmers use droppings from animals?
.....
21. Which type of chickens is kept for production of meat?
.....
22. Write down any one sign of scurvy in human beings.
.....
23. Why does a money coin sink when dropped in water?
.....
24. Give any one way of keeping water sources clean in the environment.
.....

The diagram below shows a bee hive. *Study and use it to answer the question that follows.*



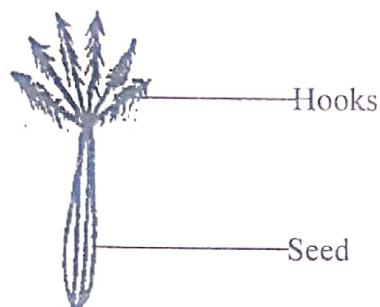
25. Why is the above beehive hung of the ground as shown above?
.....

26. State any one benefit of regular smoking of latrines.

27. How do clay made charcoal stoves save fuel when cooking?

28. Write down any one importance of practicing crop rotation in crop farming.

The diagram below shows a seed dispersal. *Study and use it to answer questions 29 and 30.*



29. How is the above seed dispersed?

30. State the importance of hooks to the above seed during seed dispersal.

31. Give any one activity carried out in promoting community hygiene.

32. State any one effect of dumping polythene papers on soil.

33. Which organ of the human body sends and receives messages?

34. State the role of the auditory nerve in the process of hearing?

35. What is shearing as used in sheep rearing?

36. Give any one drug of dependence in the society.

37. Write down any one way diseases spread among cattle on the farm.

38. How do floods cause food insecurity in the community?

39. State any one effect of alcohol to an individual.

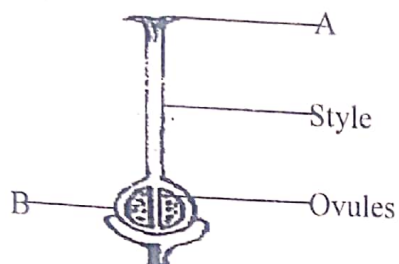
40. Why does water take the shape of the container in which it is put?

SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

41. (a) Where does real exchange of gases take place in the lungs?
.....
(b) Why do the lungs expand during breathing in?
.....
(c) Give any two functions of the mucus in the nose during breathing.
(i).....
(ii).....

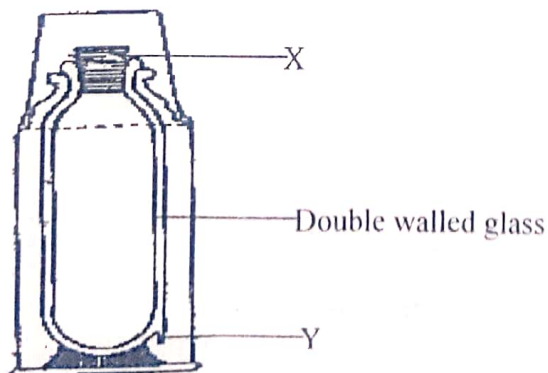
The diagram below shows part of a flower. Study and use it to answer the questions that follow.



42. (a) What general name is given to the part of the flower shown above?
.....
(b) Name the parts marked;
(i) A
(ii) B
(c) What do the ovules develop into after fertilization?
.....

43. (a) Name the substance obtained during distillation of crude alcohol.
.....
(b) Give any two physical processes involved in the distillation of alcohol.
(i).....
(ii).....
(c) Why is the delivery tube passed through cold water during distillation?
.....

The diagram below shows a vacuum flask. Study and use it to answer the questions that follow.



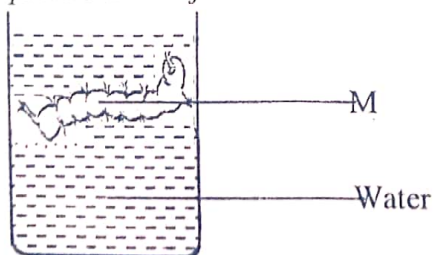
44. (a) Name the parts marked:
- (i) **X**
- (ii) **Y**
- (b) State the function of part **X** in the use of the vacuum flask.
-
- (c) What is the use of a vacuum flask in a home?
-

45. (a) Write down any two qualities of a good poultry house.
- (i).....
- (ii).....
- (b) Give any two uses of litter in a poultry house.
- (i).....
- (ii).....

46. (a) Why is water referred to as a renewable resource?
-
- (b) Name the processes through which the following resources are naturally replaced;
- (i) Water.
-
- (ii) Plants.
-
- (iii) Soil.
-

47. (a) Write down any two characteristics of physical changes.
- (i).....
- (ii).....
- (b) Mention any two physical changes in the environment.
- (i).....
- (ii).....

The diagram below shows stage of development of a mosquito. *Study and use it to answer the questions that follow.*



48. (a) Name the stage of development of a mosquito marked **M**.
-

(b) Mention the type of mosquito whose lifecycle is shown above.

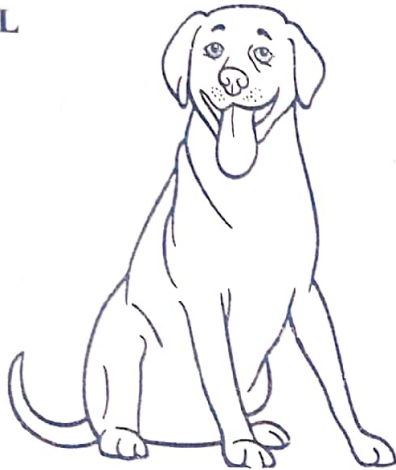
(c) Give any two ways of controlling mosquitoes at the stage shown above.

(i).....

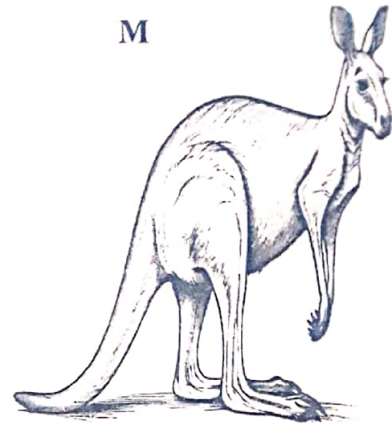
(ii).....

The diagrams below show animals in the environment. *Study and use them to answer the questions that follow.*

L



M



49. (a) Name the group of mammals to which organisms marked **L** and **M** belong.

(i) **L**

(ii) **M**

(b) Give any two similarities between **L** and **M**.

(i).....

(ii).....

50. (a) Name two methods farmers use to inseminate their cows.

(i).....

(ii).....

(b) Give any two signs of a cow on heat.

(i).....

(ii).....

51. (a) What is dehydration?

.....

(b) Give any two signs of dehydration among human beings.

(i).....

(ii).....

(c) Why should dehydrated persons be given a lot of water to drink?

.....

52.

Match parts of the human heart with their uses correctly.

	Part (s)	Use (s)
(i)	Septum	Prevent the backflow of blood in the heart
(ii)	Valves	Carries oxygenated blood to the heart
(iii)	Aorta	Prevents oxygenated blood from mixing with deoxygenated blood
(iv)	Pulmonary vein	Carries oxygenated blood to all other body parts

- (i) Septum
- (ii) Valves
- (iii) Aorta
- (iv) Pulmonary vein

53. Fill in the missing information in the table below.

Component of air	Percentage in the atmosphere
Carbon dioxide	(i).....
(ii).....	21%
Nitrogen	(iii).....
(iv).....	0.97%

54. (a) Give any two reasons why mothers sometimes use bottle feeding to raise their babies

- (i).....
- (ii).....

(b) Write down any two benefits of bottle feeding.

- (i).....
- (ii).....

55. (a) Name any two substances worker bees use to make honey.

- (i).....
- (ii).....

(b) Apart from making honey, give any two roles of worker bees in the hive.

- (i).....
- (ii).....

END