

MBARARA MUNICIPAL AND JUNIOR SCHOOLS
END OF TERM I EXAMINATIONS 2023
P.7 INTEGRATED SCIENCE

Index No.

--	--	--	--	--	--	--	--	--	--

Time Allowed : 2 hours 15 minutes

NAME :

STREAM :

SCHOOL :

Read the following Instructions carefully.

1. This paper is made up of two sections: A and B
2. Section A has 40 short answer questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Attempt All questions. All working and answers for both sections 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 only.
Only Diagrams should be drawn in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for "official use only".

FOR OFFICIAL USE ONLY		
SECTION	MARKS	T / L MARKS
A		
B		
TOTAL		
TEACHER'S COMMENT		

SECTION A

1. Name the body organ that detects the smell of good food.

2. Why is it dangerous to touch un insulated electric wires?

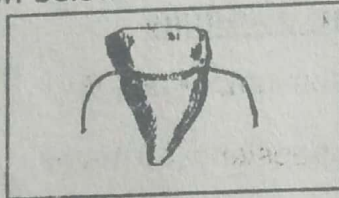
3. Apart from discs, name one other device that can be used to store sound.

4. Give one method of heat transfer in matter.

5. Of what use is the crop in the digestive process of birds?

6. Why is it an important practice to hang clothes after washing them?

7. Identify the type of tooth shown below.



8. Give one danger of oxygen as a component of air.

9. How is the process of decomposition useful to farmers?

10. Mention one item used in keeping the human body clean.

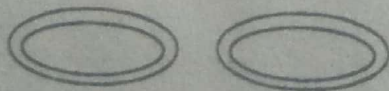
11. How is a blanket able to keep a person warm at night?

12. What is the best way of controlling childhood immunisable diseases?

13. Give one activity that leads to soil erosion.

14. How are mosses and mushrooms similar?

15. State the use of the blood cells shown in the diagram below.



16. Why are plants referred to as renewable energy resources?

17. Give one exotic beef breed of cattle .

18. What is matter?

19. In which way are regular physical exercises important to the body ?

20. Mention one non-metallic conductor of electricity in a dry cell.

21. Name one pest that can be controlled using traps.

22. Mention one requirement of a pregnant woman.

23. Of what use is food to the human body?

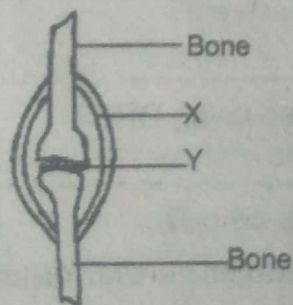
24. What makes a kidney an important organ in the body ?

25. How is a garden fork important to a crop farmer?

26. Name the vector that breeds in rubbish pits.

27. What is the danger of sharing drugs meant for one patient?

Use the diagram below to answer the questions 28 and 29.



28. Name the type of joint shown above.

29. What is the use of Y in the above joint?

30. Apart from filtration, identify one other way of making dirty water clean.

31. Which sexually transmitted disease affects eyes?

32. What is a resource?

33. Where does the digestion of food begin in humans?

34. Give one secondary sex characteristic in boys.

35. Which method of cattle grazing helps in the control of tick borne diseases?

36. Why is a toilet important in a home?

37. Name the disorder that affects the skeletal system.

38. Give one cause of swarming in bees.

39. How do trees control air pollution?

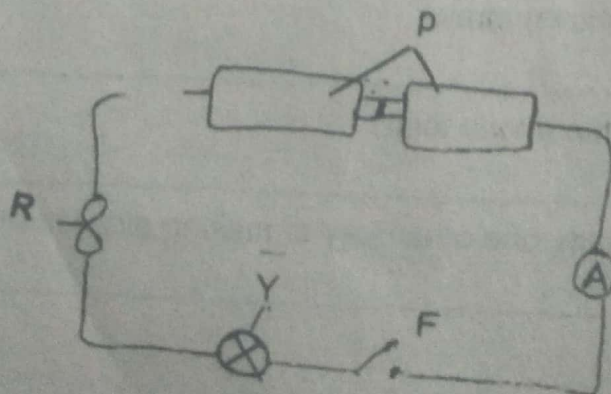
40. Name one example of non-renewable resources.

SECTION B

41. (a) Give two solutes used in making ORS.
(i) _____
(ii) _____
- (b) Why is water said to be a universal solvent?

- (c) What health condition can be treated using ORS?

42. The diagram below shows an electric circuit.
Study it carefully and answer the questions that follow.



(a) Name the part marked F

P.7 Science

(b) Give the function of part marked R

(c) State what happens to part Y when part F is closed.

(d) Give a reason for your answer in (c) above.

43. Study the diagrams below and answer the questions that follow.



(a) Which of the bottles, when air is blown into them, will produce sound of the highest pitch?

(b) Give a reason for your answer in (a) above .

(c) How can you make bottles to produce the sound of the same pitch?

(d) What happens to the sound when water is replaced with milk in the above bottles?

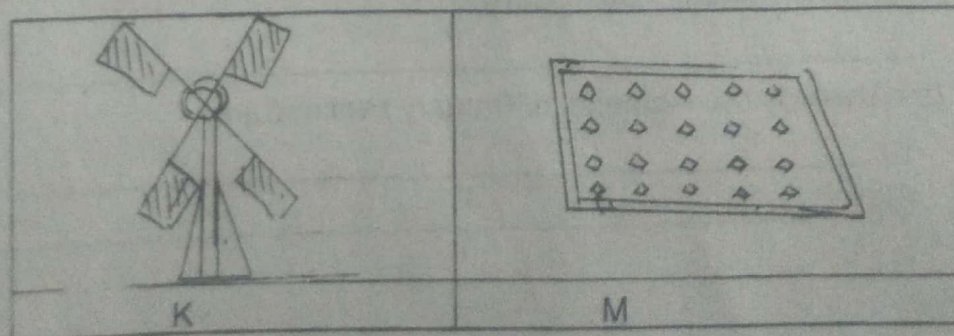
44. (a) Give one example of a legume.

(b) How are root nodules important on legumes?

(c) What food value do we get from eating leguminous plants?

(d) Apart from root nodules, give any other characteristic of leguminous plants.

45. The diagrams below shows an instrument. Use it to answer the questions about it.



(a) Name the devices marked K and M.

(i) K - _____

(ii) M - _____

(b) Give one use of instrument K.

(c) Which energy resource enables device M to work ?

46. (a) Give one type of cattle kept in Uganda.

(b) What is the importance of the type of cattle named in (a) above?

(c) State two advantages of rearing exotic breeds of cattle over local breeds of cattle.

(i) _____

(ii) _____

47. (a) Give the meaning of the following terms;

(i) Electric circuit _____

(ii) Electrons _____

(b) State the main cause of short circuits.

(c) How can short circuits be prevented?

48. (a) State any one factor affecting the rate of transpiration.

(b) Give any one way how plants control the rate of transpiration during the dry season.

(c) Name the process in human beings similar to transpiration in plants.

(d) How is transpiration important to plants?

49. (a) What is Primary Health Care?

(b) Give any two elements of Primary Health Care.

(i) _____

(ii) _____

(c) State any one activity done by a community in order to promote Primary Health Care.

50. Below is a list of animals, use it to answer the questions.

Frogs, man, Eagle

(a) From the above list, identify an example of each group below.

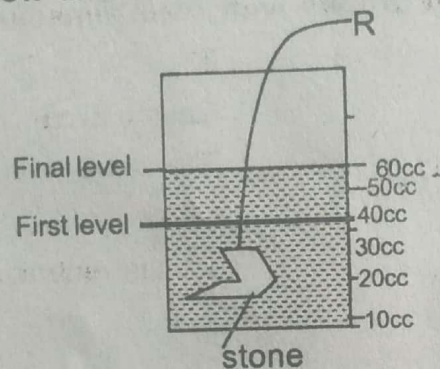
(i) Mammal _____

(ii) Amphibian _____

(b) Give one other example of animals which can be put together with man.

(c) Identify from the list above, a cold blooded vertebrate.

51. Study the diagram below and answer the questions about it.



(a) Find the volume of the stone.

(b) Give the use of R in the experiment.

(c) Why do objects weigh less in water than in air?

(d) Name the method used to find the volume of the stone.

52. (a) Name two thermometric liquids

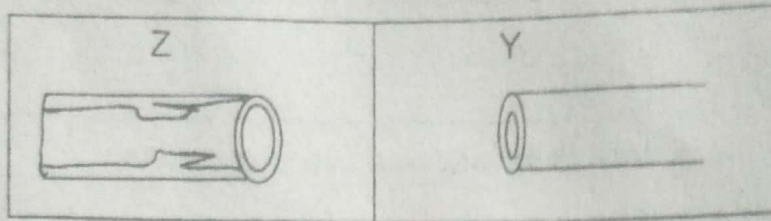
(i) _____

(ii) _____

(b) Identify the substance used to sterilise a clinical thermometer.

(c) How is the constriction important in a clinical thermometer.

53. Below are diagrams of blood vessels. Use them to answer the questions.



(a) Name the type of blood vessels.

(i) Y _____

(ii) Z _____

(b) State the functional difference between blood vessel Y and Z.

(c) To which body system do blood vessels belong?

54. Match the following body organs with their digestive juices.

A

Mouth

Liver

ileum

stomach

B

Gastric juice

Bile Juice

saliva

succus entericus

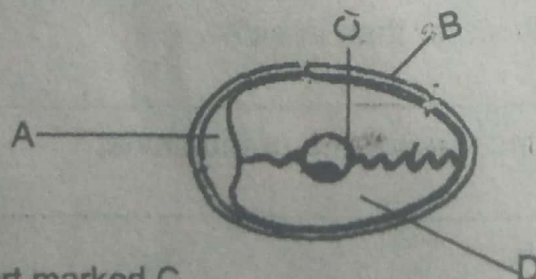
(i) mouth

(ii) Liver

(iii) ileum

(iv) Stomach

55. Use the diagram below of an egg to answer the questions that follow.



(a) Name part marked C

(b) Which mineral salt hardens part B when added in layer's mash.

(c) Give the function of part D

(d) Why is part B porous?