

MBARARA MUNICIPAL AND JUNIOR SCHOOLS
MID TERM III EXAMINATION 2024
P. 6 INTEGRATED SCIENCE

Index No.

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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 gas that takes the highest percentage of air.

2. Mention one exotic breed of goats kept for milk production.

3. How is the larva stage of a housefly useful to people?

4. Write down one example of a root tuber.

5. Write UNEPI in full.

6. What causes malaria?

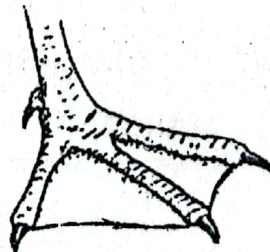
7. In the space provided, draw a compound pinnate leaf.

8. How do plants benefit from transpiration as a process?

9. Give any one example of secondary sex characteristic that occurs in both boys and girls.

10. Mention one example of a cereal crop.

The diagram below is a foot from one of the groups of birds. Use it to answer question 11.



11. Name the group of birds with such a foot.

12. State one way of controlling soil erosion in hilly places.

13. How can a person acquire natural immunity?

14. Name one poisonous chemical substance found in tobacco.

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15. How is the breathing of a fish different from that of an insect?

16. State the importance of warmth to a germinating seed.

17. Name the organ that pumps blood in the body.

18. What name is given to diseases that can spread from infected person to a healthy one?

19. Mention one example of storage crop pest.

20. Why is it advisable to breathe in air through the nose not in the mouth?

21. Mention the digestive juice produced by the stomach wall.

22. State one characteristic of arachnids.

23. Mention one structural difference between a vein and an artery.

24. How are prop roots useful to cereal crops?

25. What name is given to the three small bones found in the mammalian ear?

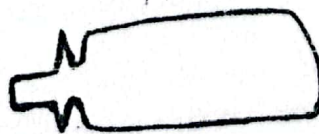
26. State the importance of a screen on a vip latrine.

27. Name any one part of a seed that make up an embryo.

28. In which state of matter does heat travel fastest?

29. Give any one solute used in the preparation of O.R.S locally at home.

The diagram below shows a type of cattle. Use it to answer questions 30 and 31.



30. Name the type of cattle with the above shape.

31. Why do people rear the above type of cattle?

32. How is air exerts pressure applied in our daily life?

33. Bats are known for having poor sight, how are they able to to move at night?

34. Mention any one cattle disease spread by ticks.

35. What type of change occurs when maggots of a housefly turn into pupa?

36. How are talons useful to birds of prey?

37. Which soil has the lowest water retention capacity?

38. Which part of a flower develops into a fruit after fertilization?

39. Why is a fire extinguisher painted with bright colours?

40. How does overgrazing lead to soil erosion?

SECTION B(60 MARKS)

41. **Study the diagram of a musical instrument below and answer the questions that follow.**



(a) Name the type of musical instrument above.

(b) How is the above musical instrument played?

(c) Name the string labelled above that produces;
(i) highest pitched sound.

(ii) lowest pitched sound.

42. (a) What are vertebrates?

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(b) Write any two groups of vertebrates.

(i) _____

(ii) _____

(c) Give any one characteristic of arthropods.

43. (a) Give the method of soil formation where bacteria are involved.

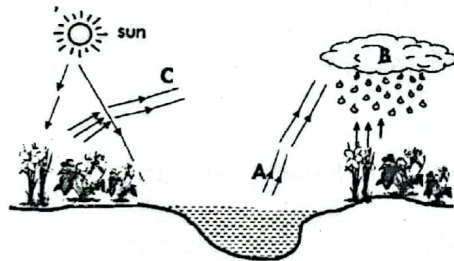
(b) Mention two ways of conserving soil.

(i) _____

(ii) _____

(c) Give one artificial way of making soil lose its fertility.

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



(a) Name the cycle in the environment illustrated above.

(b) Mention the process labelled with letters A and B.

(i) A _____

(ii) B _____

(c) What is the use of the sun to the process above?

15. (a) Give the use of the following components of blood in the body.

(i) Red blood cells.

(ii) White blood cells.

(b) Mention any one disease that affects red blood cells.

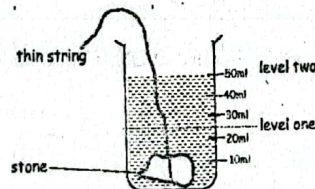
(c) Give a reason why the left side of the heart is more muscular than the right side.

46. The steps below are used to obtain salt that has been poured in the sand.

Arrange them to form a correct order.

- Filter the mixture to get salt solution.
- Heat the solution to dryness
- Stir the mixture to dissolve salt.
- Pour the mixture of sand and salt in water.

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



(a) Name the method of finding volume illustrated above.

(b) Mention the type of objects whose volume is measured using the above method.

(c) Calculate the volume of the stone above.

(2mrks)

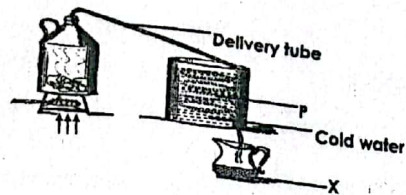
48. Match list A with that of list B.

carrot
irish potatoes
banana
sweet potatoes

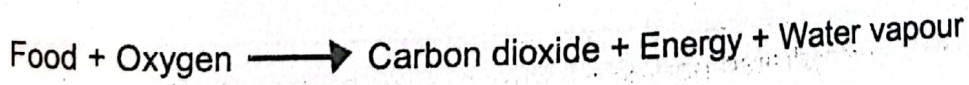
suckers
seeds
stem cuttings
stem tubers

carrot
irish potatoes
banana
sweet potatoes

49. The diagram shows the method of making pure water. Use it to answer the questions. P.6 Science



- (a) Name the method of making pure water shown above.
- (b) Name substance marked X.
- (c) How is the substance marked X useful to health workers.
- (d) Give one reason why cold water was used in the above experiment.
50. (a) What are resources?
- (b) Mention two examples of living renewable resources.
- (i) _____
- (ii) _____
- (c) Give a reason why minerals are called non renewable resources.
51. The equation below is illustrating the process of respiration. Use it to answer the following questions.



- (a) Identify the useful product of respiration from the above. equation.
- (b) Name two materials needed for respiration to occur.
- (i) _____
- (ii) _____
- (c) Give one waste product released during the above process in the equation.

52. Study the table and fill in the space left.

Diseases	Vaccines	Methods of administration
Polio	_____	oral method
_____	BCG Vaccine	injection method
tetanus	DPT Vaccine	_____
measles	_____	injection method

53. The medical advice below was given to a patient. Use it to answer the following questions.



(a) What scientific name is given to the above medical advice?

(b) How many tablets should a patient take in a day according to the above advice?

(c) How is the above medical advice important to our health?

(d) Why is it dangerous to buy drugs from shopkeepers?

54. (a) What is dehydration?

(b) Give two causes of dehydration.

(i) _____

(ii) _____

(c) Give a reason why a dehydrated person is always given plenty of drinking water.

55. (a) Write P.H.C in full.

(b) Mention two elements of P.H.C

(i) _____

(ii) _____

(c) How is draining stagnant water important in control of malaria?

8 END