

# MBARARA MUNICIPAL AND JUNIOR SCHOOLS

## MID TERM III EXAMINATION 2024

### P. 4 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		

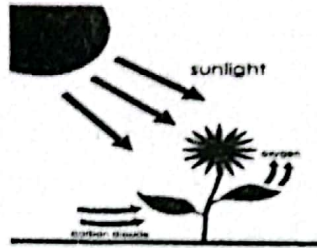
1. What happens to ovules of a flower after fertilization has taken place?

2. Give any one item used to maintain personal hygiene.

3. Which gas is used to preserve tinned food and soft drinks?

4. Which body organ is protected by the skull?

Study the diagram below and answer questions 5 and 6.



5. Name the plant process shown above.

6. What is the importance of the above process to plants?

7. State any one type of weather.

8. Mention any one region of the tooth.

9. Name any one cause of dehydration in children.

10. State any one component of a balanced diet.

11. Name the instrument used to measure human body temperature.

Study the diagram below of a leaf and use it to answer questions 12 and 13.



12. Identify the type of leaf above.

13. Give the function of the part labelled X on a leaf.



14. Which body organ helps to pump blood to all parts of the body?

15. Name the part of an insect used for feeling.

16. How are bees useful to crop farmers?

17. Mention any one example of a root tuber.

18. How is the sun important in the water cycle?

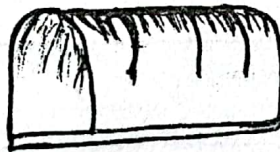
19. What does "H" stand for in HIV?

20. Name the component of soil that supports germination.

21. Name any one example of a domestic animal.

**The diagram below is a food stuff made by baking.**

**Use it to answer questions 22 and 23.**



22. Name the food stuff above.

23. Which main food value do we get after eating above food stuff?

24. Name the process by which plants lose water in form of water vapour to the atmosphere

25. Mention the crop growing practice that keeps moisture in the soil.

26. How can we care for our lungs?

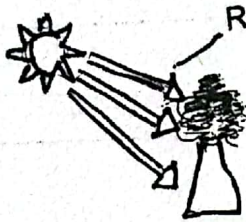
27. Name the structures of a housefly that help it to spread germs.

28. How do farmers benefit from nimbus clouds?

29. Name the sense organ for tasting food.

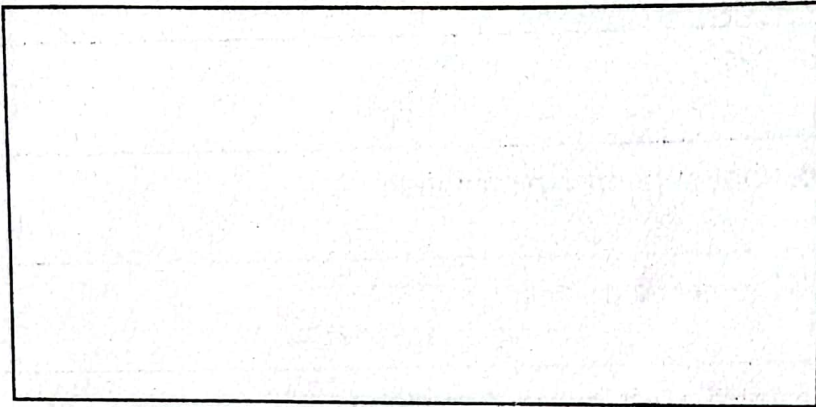
30. Mention any one part of a flowering plant that makes up a shoot system.

31. Draw a shadow of an object below.



32. Name one mineral salt lost during dehydration.

33. In the space provided below, draw a stamen.



34. Give any one example of an insect that has a complete life cycle.

35. Why do we groom our long finger nails?

36. Mention any one common fuel used at home.

37. Of what importance is a class monitor in promotion of sanitation in a classroom?

38. State any one item used to manage rainy weather.

39. How is a cat useful at home?

40. How are lungs in people similar to gills of a fish in their function?

### SECTION B

41. (a) What term describes development of a seed embryo into a seedling?

(b) Mention any two conditions necessary for seed germination.

(i)

(ii)



(c) Name the type of germination possessed by beans.

42. (a) Mention any one method of soil formation.

(b) Which layer of soil supports plant life?

(c) Write down two craft materials made from clay soil.

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

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

43. List the deficiency disease in list A to their causes in list B correctly.

**List A**

Scurvy

Rickets

Marasmus

Goitre

**List B**

lack of iodine

lack of carbohydrates

lack of vitamin C

lack of vitamin D

Scurvy

Rickets

Marasmus

Goitre

44. (a) Name the first set of the teeth to grow in the mouth of the baby.

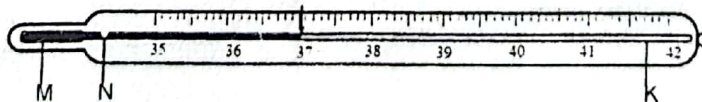
(b) How are the following types of teeth useful to people?

(i) Canine teeth \_\_\_\_\_

(ii) Molar teeth \_\_\_\_\_

(c) Give any one way of caring for the teeth.

**Use the diagram below to answer the following questions that follow.**



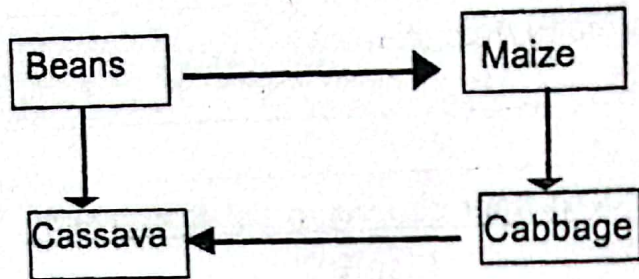
45. (a) Identify the liquid labelled M \_\_\_\_\_

(b) Name part marked N \_\_\_\_\_

(c) Give a reason why part marked N is bent?

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(d) Name any one part of the human body where the above instrument is put when measuring temperature.

Below is a crop growing practice. Study it carefully and answer the following questions.



46. (a) Identify the crop growing practice shown above.

(b) How does above practice help to control crop pests?

(c) Mention any two examples of crop pests.

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

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

47. (a) Give a reason for giving first aid to casualties.

(b) Besides a razorblade, mention two other items found in a first aid box.

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

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

(c) Why should casualties be taken to the hospital?

48. Fill in the missing gaps in the table below correctly.

Function of the body organ	Body organ
Storing food for a short time	(i) _____
(ii) _____	Kidneys
Storing information	(iii) _____
(iv) _____	Liver



49. (a) How is a latrine useful in promoting sanitation at home?

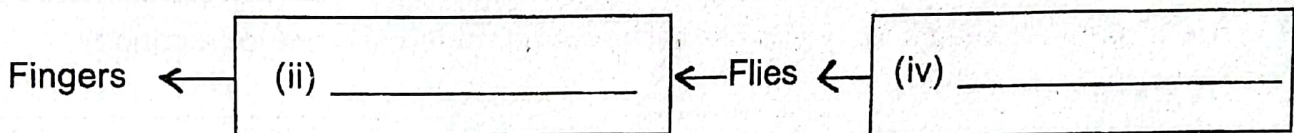
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(b) Which component of a clean home reduces the volume of rubbish in the compound.

(c) How does a dirty environment lead to easy spread of disease?

(d) Mention any one disease caused by poor sanitation.

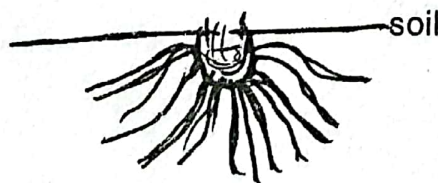
50. (a) The diagram below shows 4Fs, germ path, complete it correctly.



(b) Mention one vector involved in 4Fs germ path.

(c) State the importance of washing hands before eating food.

Below is a diagram of a root system. Use it to answer the questions that follow.



51. (a) Name the root system shown above.

(b) Mention two crops with the above root system.

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

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

(c) How are the above roots useful to a plant?

52. (a) What is food preservation?

(b) Identify two methods of food preservation.

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

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

(c) State any one reason for preserving food.

53. (a) How is a beak useful to a hen?

\_\_\_\_\_

(b) Give two examples of domestic birds.

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

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

(c) How are feathers important to birds?

\_\_\_\_\_

54. (a) How is a bill hook useful to a banana plantation farmer?

\_\_\_\_\_

(b) State the use of painting some garden tools.

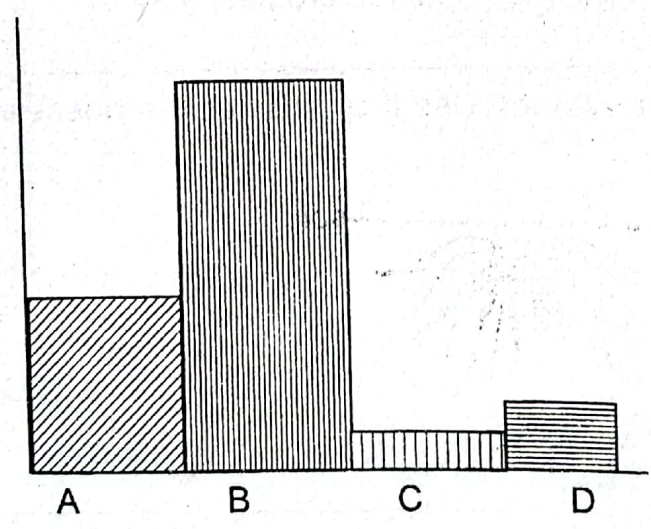
\_\_\_\_\_

(c) Apart from painting, give other two ways a farmer can care for a panga.

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

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

The graph below shows the component of air. Use it to answer questions that follow.



55. (a) Identify the component of air marked.

B \_\_\_\_\_

C \_\_\_\_\_

(b) State the use of component marked A.

\_\_\_\_\_

(c) What is the percentage of component of air marked D?

\_\_\_\_\_