

# MASINDI DISTRICT LOCAL GOVERNMENT

## PRIMARY LEAVING MOCK, 2024

### INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Index No.	Random No.	Personal No.
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Candidate's Name: .....

Candidate's Signature: .....

District ID No:

Read the following instructions carefully:

1. Do not write your school or district name anywhere on this paper.
2. 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.
3. Answer **all** questions. All answers to both Sections A and B must be written in the spaces provided.
4. All answers must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do **not** fill anything in the table indicated: "For Examiners' Use Only" and boxes inside the question paper.

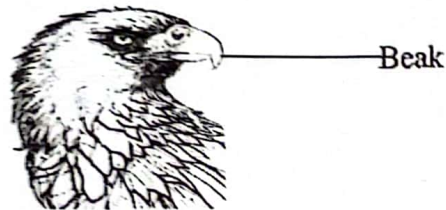
FOR EXAMINERS' USE ONLY		
Qn. No.	Marks	EXR'S NO.
1- 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

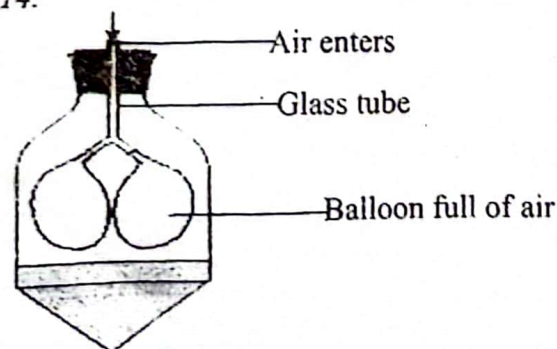
1. Why is humus called a non living component of the soil?  
.....
2. How do the lungs eliminate water vapour and carbon dioxide from the body?  
.....
3. Why does a stone roll faster down hill than up hill?  
.....
4. Give any one way mothers benefit from breastfeeding.  
.....
5. What is the role of health education in a community?  
.....

The diagram below shows the type of beak. Study and use it to answer questions 6 and 7.



6. Why do flesh eating birds have the type of beak shown above?  
.....
7. Apart from curved beaks, give one other characteristics of the above birds.  
.....
8. State the role of blood platelets in the human body.  
.....
9. How can human beings remove germs from their hands?  
.....
10. How does weather forecast benefit crop farmers?  
.....
11. Why are broilers kept for production of meat?  
.....
12. How is DPT vaccine introduced in the human body?  
.....

The diagram below shows an organ of human body Study and use it to answer questions 13 and 14.





13. Which organ of the human body is represented by the balloon?  
.....
14. What happens to the balloon when air is blown through the glass tube?  
.....
15. Which element of Primary Health Care (PHC) saves lives of accident victims?  
.....
16. How is reproduction important in the environment?  
.....
17. Name any one type of leaf venation.  
.....
18. Write down any one cause of smoking among human beings.  
.....
19. Give any one characteristic of tuber crop pests.  
.....
20. Why is sound heard louder at night than during the day?  
.....
21. What change prepares boys' sexual organs for reproductive function?  
.....
22. State any one way plants depend on animals in the environment.  
.....
23. How does yeast reproduce?  
.....
24. Why should we regularly wash our clothes?  
.....
25. Give any one anti-social behaviour practiced in the society.  
.....
26. Give any one reason why adolescent girls should change their sanitary towels regularly.  
.....

*Study the diagram below and use it to answer the questions that follow.*



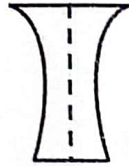
27. Which nutrition deficiency causes the condition marked X in the diagram above.

28. How can the above condition marked X be avoided?

29. Give any one way the porcupines protect themselves when threatened.

30. State what happens to food while in the mouth.

The diagram below shows the type of lens. *Study and use it to answer the question that follows.*



31. Name the type of lens shown in the diagram above.

32. State the role of six's thermometer on a weather station.

33. Why mosquitoes bite human beings?

34. What makes drought cattle fit for providing labour on farms?

35. Give any one way energy resources from animals are useful to crop farmers.

36. Why are animals able to disperse guava seeds?

37. How does friction affect the efficiency of the single fixed pulley?

38. State the function of flowers to plants.

39. How does regular brushing of teeth improve human health?

40. Give any one way of preventing poisoning in a home.



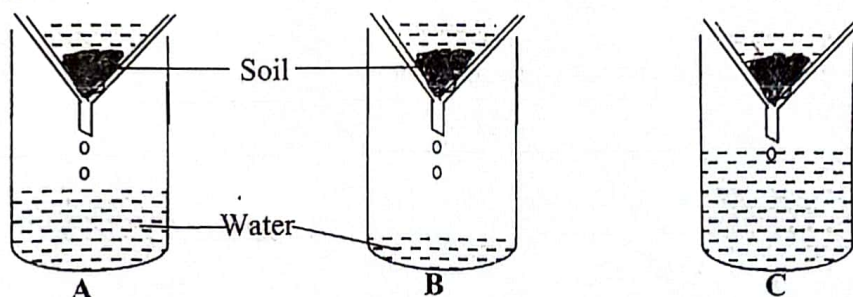
## SECTION B: 60 MARKS

(Questions 41 to 55 carry four marks each.)

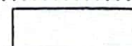
41. (a) Name the electronic method of magnetization.
- .....
- (b) Why are the magnets made using the method named above called temporary magnets?
- .....
- (c) Give any two ways of making the magnets made using the above method stronger.
- (i).....
- (ii).....

42. (a) State 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).....

The diagram below shows the type of soil. Study and use it to answer the questions that follow.



43. (a) Name the type of soil used in;
- (i) **B** .....
- (ii) **C** .....
- (b) Why does water pass through the soil in **C** faster than soil in **A**?
- .....
- (c) What is the use of the soil used in **A** above in the environment?
- .....



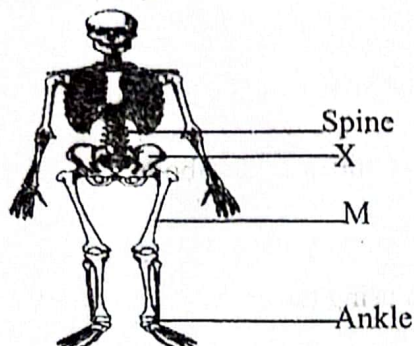
44. (a) What is near drowning?
- .....
- (b) How does mouth to mouth breathing save the life of the near drowning victim?
- .....

(c) Give any two ways of preventing near drowning in the environment.

(i).....

(ii).....

The diagram below shows part of the human skeletal system. *Study and use it to answer the questions that follow.*



45. (a) Name the bone marked **M** on the diagram above.

.....

(b) Which type of joint is found at part marked **X** in the diagram above?

.....

(c) Give any two functions of the skeleton in the human body.

(i).....

(ii).....

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

A	B
Insects	(i).....
(ii).....	Spider
Myriapods	(iii).....
(iv).....	Crab

47. (a) Why does a child with cholera become dehydrated?

.....

(b) How does Oral Rehydration Solution (ORS) improve the health of a baby with diarrhoea?

.....

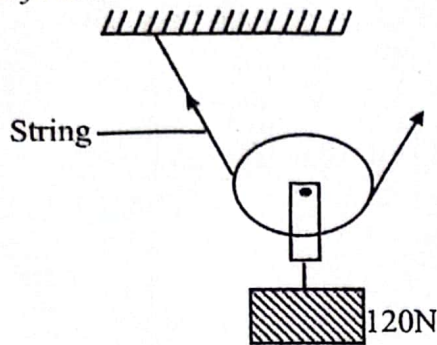
(c) Give two ways of preventing diarrhoea in the community.

(i).....

(ii).....



The diagram below shows a simple machine. *Study and use it to answer questions that follow.*



48. (a) Name the simple machine shown in the diagram above.

.....

- (b) What is the use of the string when using the above machine?

.....

- (c) How much effort is required to raise 120N using the above machine? (02 marks)

49. (a) State any two signs of a pregnant cow.

(i).....

(ii).....

- (b) Give two ways in which steaming up in cattle management is beneficial.

(i).....

(ii).....



50. (a) Why do plants with weak stems climb others?

.....

- (b) Name two methods plants with weak stems use to climb others.

(i).....

(ii).....

- (c) Apart from support, give any one way plants depend on other plants in the environment.

.....

51. (a) Give any two reasons why burning is dangerous to the environment.

(i).....

(ii).....

- (b) State any two ways plants maintain the quality of air in the environment.

(i).....

(ii).....

52. (a) Give two ways in which the body is affected by a lack of enough proteins.

(i).....

(ii).....

(b) Name any two diseases which result from protein deficiency meals.

(i).....

(ii).....

53. Match male reproductive organs with their uses correctly.

	Part (s)	Use (s)
(i)	Penis	Produce male cell gametes
(ii)	Testes	Store manufactured sperms
(iii)	Scrotum	Deposits sperms into the vagina
(iv)	Epididymis	Regulates temperatures around the testes

(i) Penis .....

(ii) Testes .....

(iii) Scrotum .....

(iv) Epididymis .....

54. (a) Give any two causes of cannibalism among birds kept together.

(i).....

(ii).....

(b) State the effect of cannibalism among poultry birds.

.....

(c) How does hanging of green vegetables control cannibalism among birds?

.....

55. (a) Which type of energy is possessed by the people in the moving bus?

.....

(b) State the energy change which occurs when a moving bus stops.

.....

(c) Why do passengers in the moving bus jerk forward when it stops?

.....

(d) Give any one form of energy.

.....

END