

UGANDA NATIONAL PRIVATE SCHOOLS EXAMINATIONS

MID TERM I EXAMINATIONS 2024

PRIMARY SEVEN

INTEGRATED SCIENCE

Time allowed: 2hrs 30 minutes

INDEX No.

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Name: _____ Stream: _____

School: _____

District Name: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following instructions carefully:

1. This paper is made up of two Sections A and B.
2. Section A has 40 questions (40mks)
3. Section B has 15 questions (60 marks)
4. Answer ALL questions. All answers for both sections A and B must be written in the spaces provided.
5. All answers must be written using blue or black ball point pen or ink. Diagrams should be drawn using a pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for Examiners' use.

FOR EXAMINERS' USE ONLY

QN. No.	MARK	SIGN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		



SECTION A (40Mks)

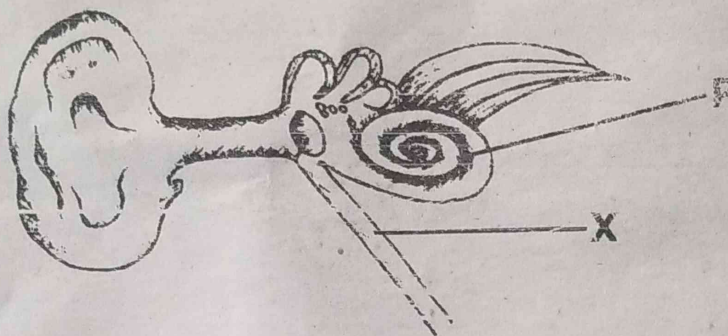
1. Name one water borne disease spread by blackfly.

2. State one breed of goats kept for milk production.

3. Give any one similarity between a biological change and chemical change.

4. Why do some plants climb others in their environment?

The diagram below shows the human ear. Use it to answer the questions 5 and 6.



5. Name the part marked X.

6. What is the function of the part marked P on the human ear?

7. Calculate the mass of an object whose density is 6g/cc and volume is 14cc.

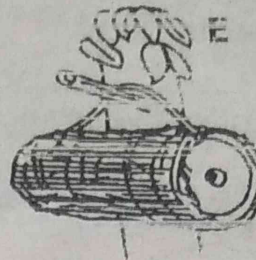
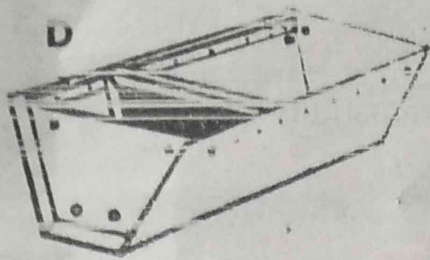
8. State any one way in which flush toilets can be properly maintained.

9. Give any one characteristic of clay soil.

10. Apart from carbohydrates, give any one other class of food that provides energy to the body.

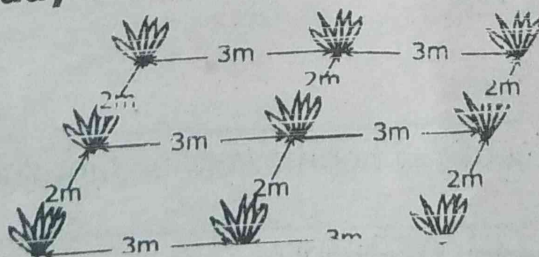
11. Identify any one activity that people can do using heat transfer by conduction.

The diagram below shows the bee hives. Use them to answer questions 12 and 13.



12. Name the beehive marked E.
13. State any one advantage of using beehive marked D in keeping honey bees.
14. Which body system is affected by plasmodium germ?
15. Give one body characteristic that is common to both a spider and a tick.
16. Name any one viral childhood immunisable disease.
17. Give one way you can care for sick people in your home.
18. In which way are termites useful to the soil?
19. Give one example of inexhaustible resources in our community.
20. Write any one example of a biological change in animals.
21. Name the structure that connects bones at a joint.
22. Why is water needed in the preparation of ORS?

The diagram below shows a method of planting crops in the garden. Study and use it to answer the questions 23 and 24.



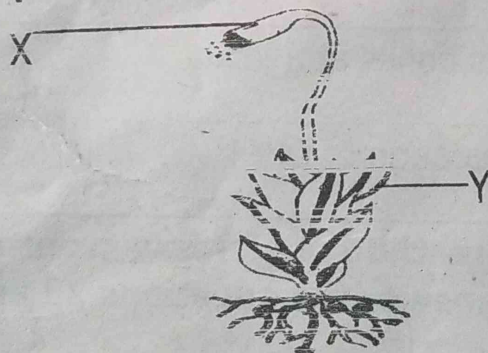
23. Identify the method of planting crops shown in the diagram above.

24. State any one advantage of the above method of planting crops.
25. Apart from proteins, write down any one other class of food that a pregnant mother should eat.
26. Identify the type of soil which is used for making glass.
27. Why are gaps left between the railway lines during construction?
28. Give any one cause of sickness in the community.
29. What are physical changes?
30. To which group of birds does the foot below belong?



31. How is a silvery surface useful on a thermos flask?
32. Identify the example of immovable joints in the body.

The diagram below shows a non-flowering plant. Use it to answer question 33 and 34.



33. Name the part marked X.
34. How is part marked Y useful to the non-flowering plant shown above?
35. Why is freezing grouped under physical changes?

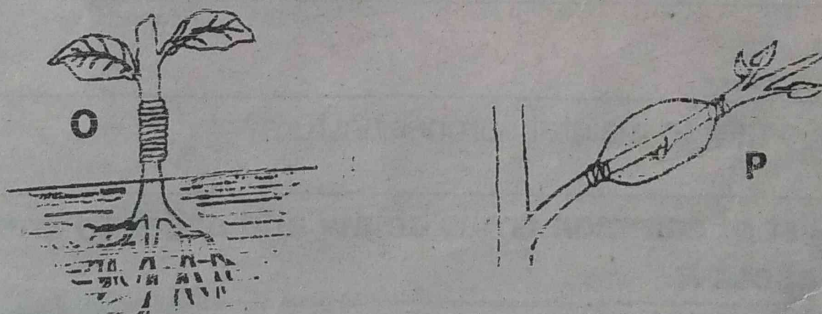
36. Name any one method that can be used to prepare local dishes at home.
37. Define the term soil erosion.
38. State any one advantage of herding in keeping cattle.
39. State any one way in which biological changes are important in the environment.
40. Give any one indicator of poor sanitation in an area.

SECTION B (60Mks)

41. The table below shows alloys their combination and their uses. Study and complete it correctly.

No	Alloy	Combination	Use
a	Solder	Tin and lead	_____
b	_____	Copper and Zinc	For making ornaments.
c	Bronze	_____	For making medals.
d	Dental amalgam	Mercury and copper	_____

42. The diagram below shows artificial methods of vegetative plant propagation. Study and use it to answer the questions that follow.



- a) Name the artificial method of vegetative plant propagation marked O and P.
- i) O _____
- ii) P _____
- b) State the importance of the fertile soil found in the sack on the method marked P.
- c) Apart from the above methods, mention any one other artificial method of vegetative plant propagation.

43a) Write down any two types of germs.

i) _____ ii) _____
b) State any one way which germs enter our body.

c) Give any one way of preventing germs from entering our body.

44. Match the following items in A with those in B correctly.

List A

Nuclear electricity
Geothermal electricity
Thermal electricity
Hydro electricity

List B

fast flowing water
burning fuels
hot rocks in the earth
produced from uranium

- a) Nuclear electricity
b) Geothermal electricity
c) Thermal electricity
d) Hydro electricity

45a) What do we call the place where two or more bones meet?

b) How are the following parts of the muscular - skeletal system useful?
i) Ligament

ii) Cartilage

c) Why is it important to maintain proper posture?

46. Study the list of common crops below and use it to answer questions about it.

Miller, Tea, Beans, Cotton

a) Which of the above crops is grown and harvested more than once?

b) Which of the crops above is a raw material to textile industry?

c) Mention two ways we can care for our crops.

i) _____

ii) _____

47. State the type of change that takes place when;

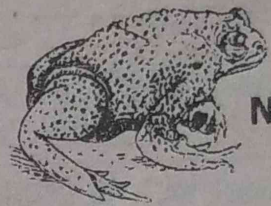
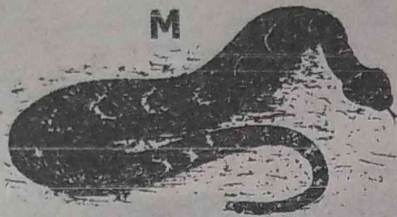
a) A knife rusts

b) Water freezes

- c) A fruit ripens
 d) Salt dissolves in water
 48a) A school health committee organized assembly to check children health at school. What name is given to such an assembly.

 b) Suggest two activities carried out on that assembly.
 i) _____ ii) _____
 c) Which element of P.H.C is promoted by such an assembly in schools?

49. **Below is a diagram showing two vertebrate animals. Use them to answer questions that follow.**



- a) Give any two similarities between animals in group M and N.
 i) _____
 ii) _____

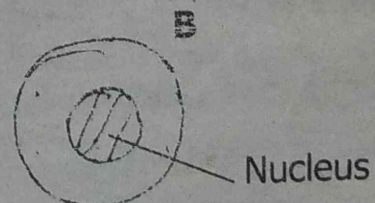
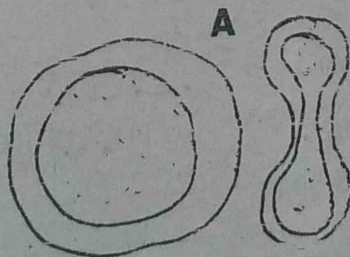
- b) State any two difference between animals in group M and N.
 i) _____
 ii) _____

50a) What is meant by the term vulnerable group of people?

- b) Apart from the sick, name one other group of vulnerable people in a community.

- c) State any two ways in which you can care for the sick in your community.
 i) _____
 ii) _____

51. **The diagram below show the structure of different blood cells in the human body. Study and use them to answer the questions that follow.**



- a) Name the blood cell marked B.

b) Give the function of the blood cells marked:

i) A _____

ii) B _____

c) Identify any one disease which destroys blood cells A.

52a) What is swarming?

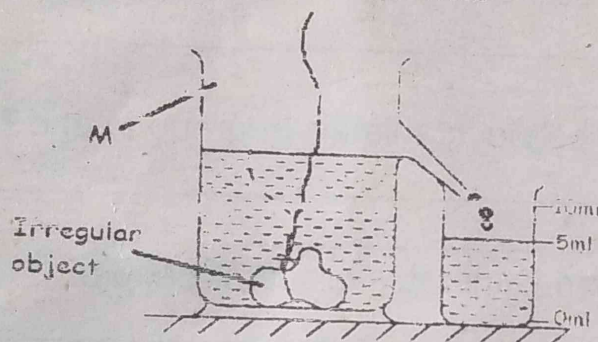
b) Give two reasons why bees swarm.

i) _____

ii) _____

c) How is a smoker useful in the harvesting of honey.

53a) **The experiment below shows displacement method. Study and use it to answer questions about it.**



a) Name the container labelled M.

b) What is the volume of the irregular object?

c) If the mass of the irregular object is 35gm. Find its density. (02mks)

54a) State any two effects of rusting on iron sheets.

i) _____

ii) _____

b) Identify two ways in which people protect iron sheets from rusting.

i) _____

ii) _____

55a) Write down any two causes of soil erosion.

i) _____

ii) _____

b) Which agent of soil erosion causes gullies?

c) How does soil erosion lead to soil infertility?
