

# NEXUS EXAMINATIONS BOARD

PRIMARY LEAVING MOCK EXAMINATION 2023

## INTEGRATED SCIENCE

*Time Allowed: 2 hours 15 minutes*

Index Number:

Random No.						Personal No.		

Candidate's Name:.....

Candidate's Signature: .....

School Name: .....

District Name:.....

**Read the following instructions carefully:**

1. Do not forget to write your **school** or **district name** on this paper.
2. This paper has two sections: **A** and **B**.  
Section **A** has **40** questions and Section **B** has **15** questions.
3. Answer **all** questions. **All** answers for both sections **A** and **B** must be written in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work written in pencil 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		
TOTAL		

## SECTION A: 40 MARKS

1. State one sanitary activity done when preparing food.

.....

2. Give one reason why a goat bleats.

.....

3. Why does serious malaria lead to anaemia?

.....

4. State one similarity between gases and liquids.

.....

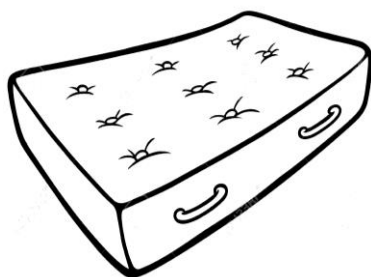
5. What form of current electricity is used during the magnetisation process?

.....

6. Which chemical change may make keys fail to enter a padlock?

.....

The item below shows a common item found at home. Use it to answer questions 7 and 8.



7. Identify the item drawn above.

.....

8. Mention the role of the above item in promoting good health.

.....

9. In which one way is steam harmful to human health?

.....

10. Suggest one cause of truancy among school children.

.....

11. Why is a person of blood group O said to be a universal donor?

.....

.....

12. Give one practice that can harm cattle on a farm.

.....

13. How is brick making a threat to the environment?

.....

14. Mention one advantage of using organic manure over artificial fertilizers.

.....

.....

15. Besides flying, how else do wasps protect themselves against enemies?

.....

16. Mention one disorder of the teeth.

.....

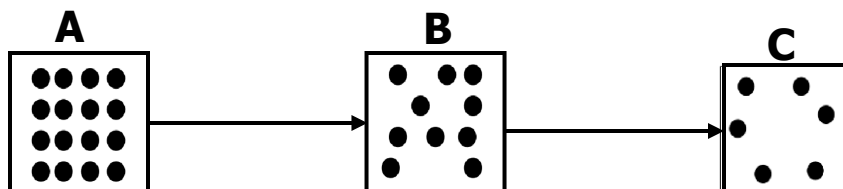
17. Mention one vaccine administered to babies thrice.

.....

18. Name the energy change that takes place in a working dry cell.

.....

19. Identify one substance that can change from state marked A to B and then C.



.....

20. Which component of air is used by legumes to make proteins?

.....

21. Identify one garden tool used by farmers to dig in rocky areas.

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22. What weather condition favours the drying of washed clothes?

.....

23. Suggest one way of caring for people with special needs in the community.

.....

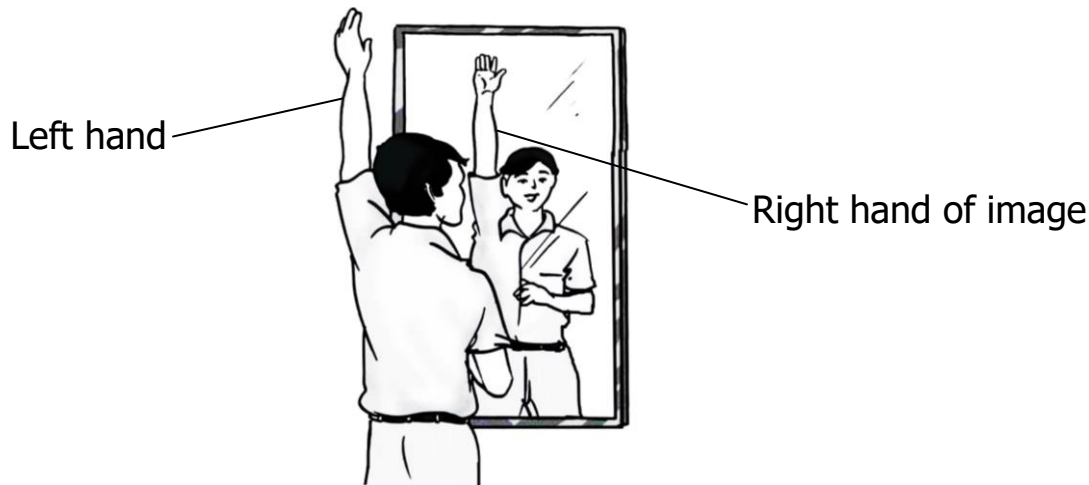
24. What body organ regulates the amount of blood sugar in the body?

.....

25. Name one disease vector which spends part of its life cycle in water.

.....

26.State the characteristic of images formed in plane mirrors illustrated in the diagram below.



.....

27.In which way can married couples prevent the contraction of STDs?

.....

28.Give one drug commonly abused through chewing.

.....

29.Name one process that takes place by diffusion in the human body.

.....

30.State one difference between a seed and a fruit.

.....

31.State one effect of heat gain to liquids.

32.How are bacteria and fungi useful in a food chain?

.....

33.What characteristic of living things helps them to pass out metabolic wastes?

.....

34.Apart from man, give another example of an omnivorous mammal.

.....

35.Identify one viral cattle disease.

.....

36.What makes free range system of keeping poultry cheap?

.....

37.Of what importance are food taboos to the environment?

.....

38.How is a rat similar to a tortoise in terms of skeletal structures?

.....

.....

39.Suggest one way of conserving plants as energy resources in the environment.

.....

40.Name one method of harvesting trees for firewood.

.....

## SECTION B: 60 MARKS

41.a) State one disease that leads to dehydration.

.....

b) Apart from sodium, name another mineral salt lost in the body during serious dehydration.

.....

c) Give of any two signs a dehydrated person.

(i) .....

(ii) .....

42.a) Name the structures in the larynx that helps man to produce sound?

.....

b) What do we call a condition when air supply to the lungs is blocked by a foreign body?

.....

c) Besides foreign bodies, name other two disorders of the respiratory system.

(i) .....

(ii) .....

43.a) Name any two types of tropism.

(i) .....

(ii) .....

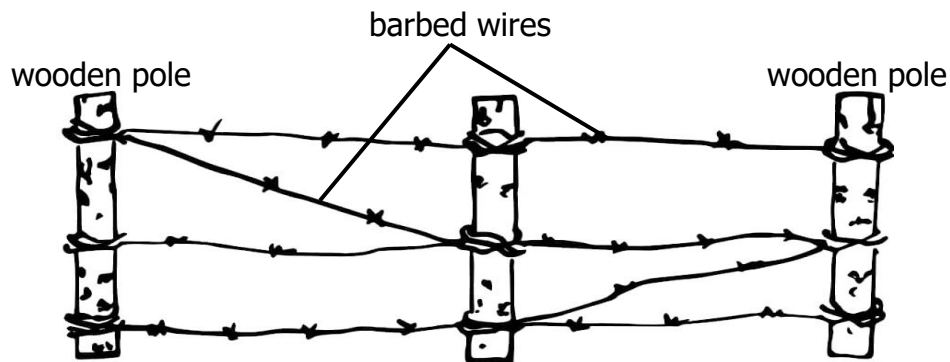
b) State one stimuli to which plants respond.

.....

c) During germination, why do roots grow downwards?

.....

44. The diagram below shows a wire fence. Use it to answer questions that follow.



a) Identify the type of fence illustrated above.

.....

b) Suggest any two reasons why farmers fence their gardens.

(i) .....

(ii) .....

c) Why are barbed wires made to sag in between the wooden poles?

.....

.....



45. Identify the food value got from the following food stuffs:

i) mukene.....

ii) mango juice.....

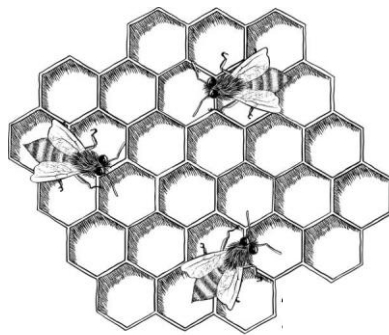
b) Name the end product got from the digestion of mukene.

.....

c) Identify one enzyme that helps in the digestion of mukene in the alimentary canal.

.....

46. The diagram below shows some structures found in the beehive. Use it to answer questions that follow.



a) Identify the structures drawn above.

.....

b) Name one use of the above structures in the beehive.

.....

c) Give one factor considered when siting a hive.

.....

d) State one advantage of modern beehives over traditional ones.

.....

.....

47.a) What is excretion?

.....

.....

b) Apart from kidneys, what other excretory organ helps in the removal of excess water and salts in the body?

.....

c) Why are swamps referred to as the natural kidneys of the earth?

.....

.....

d) Suggest one way of caring for the excretory system.

.....

48. The table below shows some health information collected by VHTS from a family of three members. Use it to answer questions that follow.

<b>Family member</b>	<b>Common sickness</b>
Father	Eye problem, malaria, chest pain
Mother	High blood pressure, malaria,
Daughter	Common colds, malaria, headache

a) Identify the most common sickness affecting the above family.

.....

b) Suggest one possible measure that can be taken by the above family to prevent the identified sickness.

.....

d) What element of PHC is promoted by collecting such information given in the table?

.....

.....

d) Give one role of Village Health Teams (VHTS) in your community apart from collecting health information.

.....

49. List K contains some germs and the diseases caused in L but in wrong order. Match them correctly

<b>K</b>	<b>L</b>
Chlamydia.	Coccidiosis
plasmodia.	River blindness
coccidia.	malaria
onchocerca volvulus.	Trachoma

Chlamydia.....

Plasmodia.....

Coccidia.....

Onchocerca volvulus.....

50.a) What do we call the act of rearing and management of rabbits?

.....

b) In which one way can rabbits be prevented from burrowing in hutch?

.....

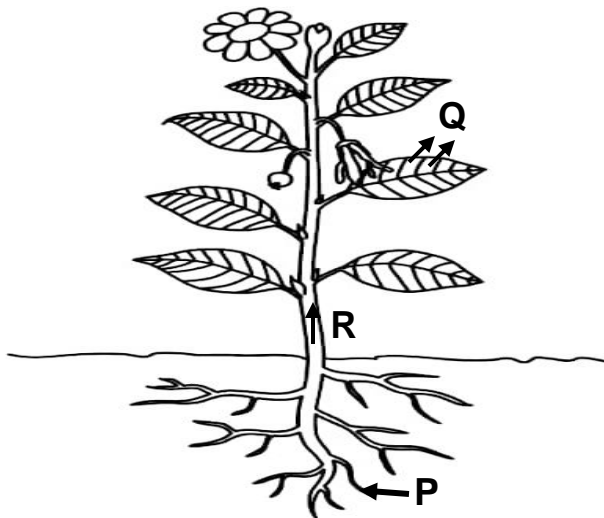
c) Identify one rabbit disease that does not attack birds.

.....

d) Name one breed of rabbit commonly reared in Uganda.

.....

51. The diagram below shows a flowering plant and the way it takes in water and loses some. Use it to answer questions that follow.



a) Name the water intake processes represented by letters P and R.

P.....

R.....

b) Why is the loss of water at Q useful to a plant?

.....

c) Suggest one way plants control the loss of too much water during dry season.

.....

52.a) What component of soil holds soil particles together?

.....

b) How does a porcupine benefit from soil?

.....

c) Suggest any two ways of conserving soil.

(i) .....

(ii) .....

53.a) Of what importance are ears to a deaf person?

.....

b) In which one way can sound stored on a flash disc be reproduced?

.....

c) To which group of musical instruments do the following belong?

i) cymbals .....

ii) tube fiddle .....

54.a) Name two properties of light that help in the formation of a rainbow.

(i) .....

(ii) .....

b) Identify the second and fifth colour of the rainbow.

i) second.....

ii) fifth.....

55. The table below shows some animals, their movement behaviour and the part of the body involved in movement.

Complete it correctly.

<b>Animal</b>	<b>Part of body involved</b>	<b>Movement behaviour</b>
Fish	.....	swimming
Housefly	wings	.....
.....	body muscles	slithering
Frog	limbs	.....

**END**