

BMMK EXAMINATION BOARD

PRE PRIMARY LEAVING EXAM, 2024



INTEGRATED SCIENCE

TIME ALLOWED: 2HRS 15 MINUTES

RANDOM No.					Personal No.		

CANDIDATE'S NAME: _____

CANDIDATE'S SIGNATURE: _____

DISTRICT ID NO:

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Read the following instructions carefully.

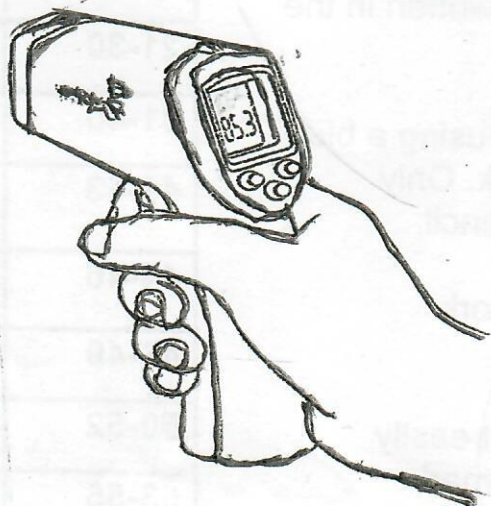
1. This paper has two sections; A and B
2. Section B has 15 questions (60marks)
3. Answer **ALL** questions in section A and Section B. answer must be written in the Space provided.
4. All answers must be written using a blue Or black ball-point pen or ink. Only diagrams may be done in pencil.
5. Unnecessary alteration of work may lead to loss of marks
6. Any hand writing that cannot easily be read may lead to loss of marks

FOR EXAMINERS' USE ONLY		
QN.NO	MARKS	SIGN
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

SECTION A

1. Name any one breed of goats that provides people with mohair.
.....
2. Apart from killing germs, how else is hydrochloric acid important in the stomach?
.....
3. Name the main food value obtained from eating pollen.
.....
4. Give any one cause of teenage pregnancy.
.....
5. Explain how mulching improves soil fertility.
.....
6. Write any one way of controlling poultry vices on the farm.
.....
7. State any one way a baby can acquire natural immunity.
.....
8. Give any one advantage of using Ecosan latrine over VIP latrine.
.....
9. Which form of energy does not require a medium of transmission?
.....
10. Mention any one milk product.
.....
11. State the reason why electric wires are placed high on poles.
.....
12. Why do birds shed their feathers?
.....

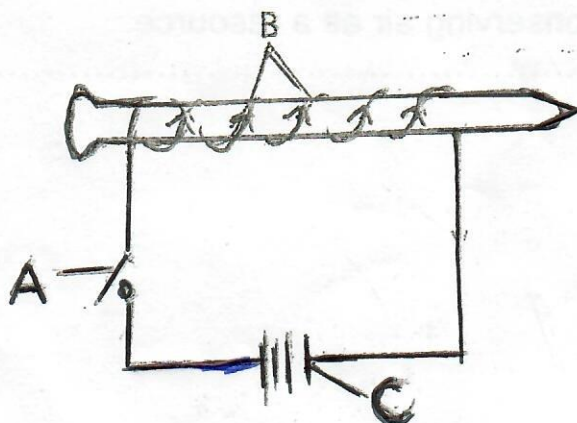
The diagram below is of a medical instrument used by a nurse in a school clinic.
Use it to answer questions 13 and 14.



13. Name the medical instrument above.
.....
14. State the advantage of using the above thermometer when measuring temperature of sick pupils.
.....

15. Name any one layer-breed of chicken kept in our homes.
.....
16. Give any one reason why farmers feed their newly born calves on colostrum.
.....
17. Mention any one activity done by farmers to improve soil fertility without using fertilizers.
.....
18. State any one method used to apply manure in the garden.
.....
19. How is friction important to a person bathing?
.....
20. Give any one pest that affects sweet potatoes.
.....
21. State any one reason why farmers practice crop rotation.
.....
22. Name the element of PHC which is promoted by designing and displaying PIASCY messages in the school compound.
.....
23. State any one advantage of proper budgeting of family resources.
.....
24. Name the part of human ear that helps in balancing the body.
.....
25. Name the part of skeleton that protects the spinal cord.
.....
26. How is charcoal formed?
.....
27. State the way how cassava plants are propagated.
.....
28. Give any one characteristic of tuber crop pests.
.....
29. State the reason why male anopheles mosquitoes are not able to spread malaria.
.....
30. Which form of energy must be present for a rain bow to be formed?
.....
31. Which immunisable disease in infants has a sign of red eyes, sore mouth and skin rashes?
.....

The diagram below is about the method of magnetization. Use it to answer questions 32 and 33.



32. Identify the method of magnetization shown above.
.....
33. State any one way of increasing the strength of the above electromagnet.
.....
34. Name the component of blood that produces antibodies.
.....
35. State the reason why the trachea is made up of cartilage rings.
.....
36. Name the invertebrate that protects itself by hiding in its hard shell.
.....
37. State any one service provided by UMEME to people in the community.
.....
38. Name the type of electricity provided by burning fossil fuels.
.....
39. State any one way how animals are used as energy resources.
.....
40. Give a reason why most farmers prefer growing annual food crops to perennial food crops.
.....

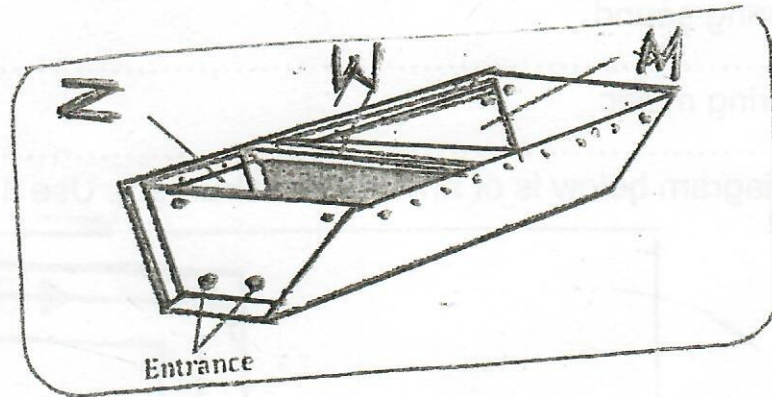
SECTION A

41. Below is a list of organisms in the environment. Use it to answer the questions that follow.

Rabbit	Plant	Bacteria	Tiger
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- a) Identify the feeding relationship between;
i) Bacteria and Tiger
.....
ii) Rabbit and Plant
.....
- b) State the role of the following organisms in a food chain.
i) Plant
.....
ii) Bacteria
.....
42. a) What is environmental degradation?
.....
b) Give any two natural causes of environmental degradation.
.....
c) State any one way of conserving air as a resource.
.....

43. The diagram below is a modern bee hive. Use it to answer the questions that follow.



- a) Identify the chambers marked;
 - i) Z.....
 - ii) M.....
 - b) How is part W important in the above hive?

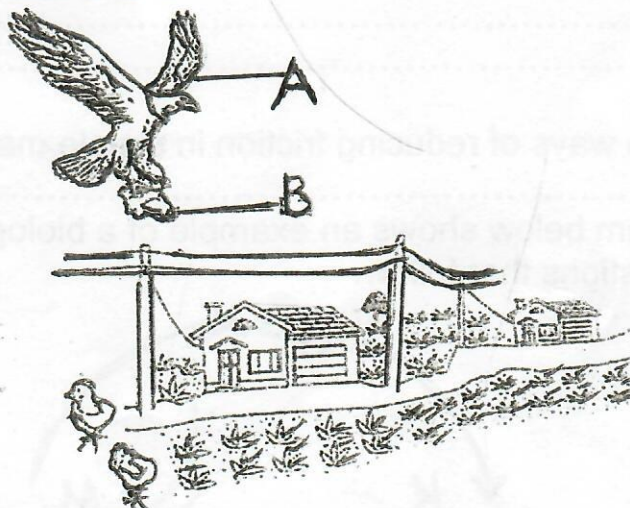
.....
 - c) State any one advantage of using modern bee hives in bee keeping.

.....
44. a) Name the device used to put out fire in case of a fire outbreak at school.

.....
- b) State the reason why petrol fire is not put out using water.

.....
- c) Mention any two properties of air.

.....
45. The diagram below shows a mode of feeding of certain group of birds. Use it to answer questions that follow.



- a) Which term in the mode of feeding is used to refer to;
 - i) A.....
 - ii) B.....
- b) State any two characteristics of birds with the mode of feeding shown above.

.....

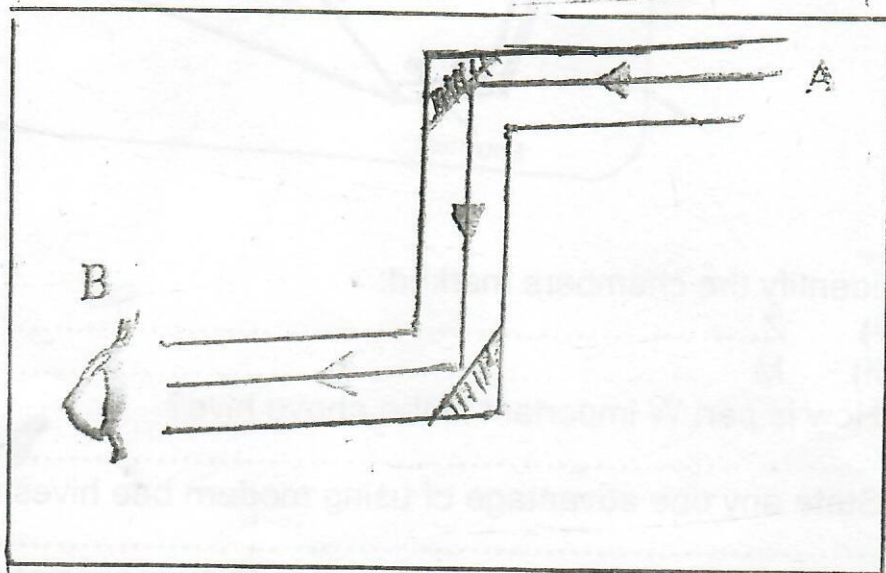
46. a) State any two devices used to store sound.

c) Name any one method of;

i) storing sound

ii) storing music

47. The diagram below is of an optical instrument. Use it to answer the questions that follow.



a) Name the optical instrument shown above.

b) Identify the type of mirrors used in the above instrument.

c) Give any two characteristics of images formed by the instrument above.

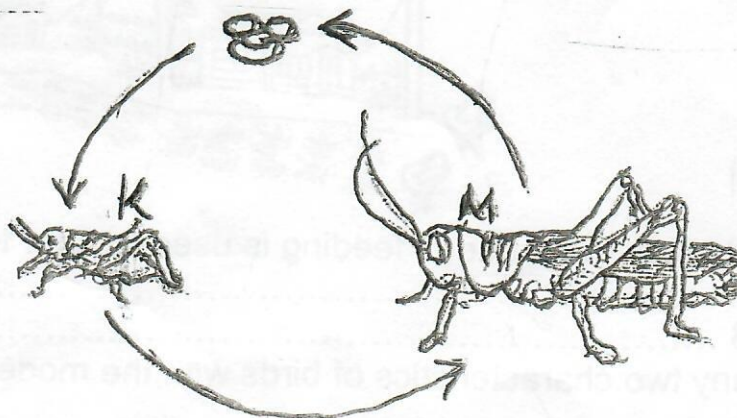
48. a) In which class of simple machines do the following belong?

i) Panga.....

ii) Jack.....

b) State any two ways of reducing friction in simple machines.

49. The diagram below shows an example of a biological change in animals. Use it to answer questions that follow.



a) Name the biological change above.

b) Identify the stages marked;

M.....

K.....

c) State the physical difference between stage M and stage K.

50. The table below shows crops and their parts that store food. Match them correctly.

Crop	Part that store food
Ground nuts	Roots
Cabbage	Grains
Maize	Leaves
Cassava	Seeds

i) Ground nuts.....

ii) Cabbage

iii) Maize

iv) Cassava

51. You are given a lump of soil, lit charcoal stove, cover and a metallic container. In four steps, describe an experiment to show that soil contains water.

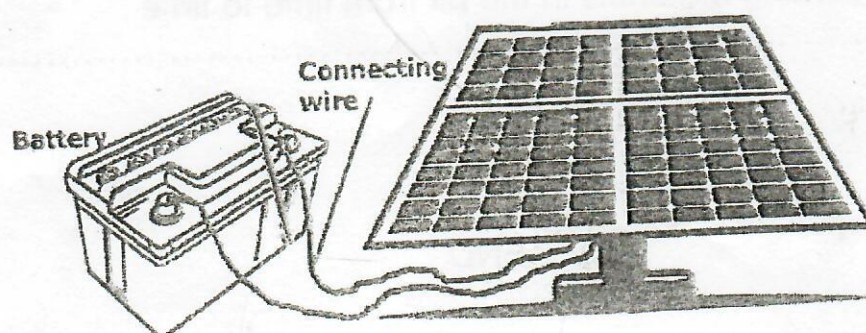
i)

ii)

iii)

iv)

52. The diagram below is of a solar panel. Use it to answer questions that follow.



a) Use letter q to label the solar cells on the solar panel above.

b) Give any two devices that use solar energy.

.....
.....

c) State the reason why the government of Uganda is promoting the use of solar electricity.

.....

53. What is immunization?

.....
b State any one viral and bacterial childhood immunisable disease.

i) Viral immunisable disease

.....

ii) Bacterial immunisable disease

.....

c Give a reason why female adolescents are immunised with Tetanus Toxoid vaccine.

.....

54. a) Name the two main layers of the skin.

.....

.....

b State any one way how the skin regulates body temperature on a hot day.

.....

c) Give any one way of caring for the human skin.

.....

55. a) Mention any two examples of natural fertilizers.

.....

.....

b State the reason why the following are done when making compost manure.

i) Adding ash

ii) Turning materials in the pit from time to time

.....

END