

MITOOMA DISTRICT ACADEMIC BOARD
2023 P.7 MOCK EXAMINATION
INTEGRATED SCIENCE

Time Allowed: 2 Hours 30 Minutes.

CANDIDATE'S NAME:

SCHOOL NAME: **INDEX No**.....

SUB COUNTY:

DO NOT OPEN THIS PAPER UNTIL YOU ARE TOLD TO DO SO.

1. This paper is made up of two sections: A and B. section A has 40 questions (40 marks) and section B has 15 questions (60 marks).
2. Answer all questions. All answers for both section A and B must be written in the spaces provided.
3. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will not be marked except drawings and diagrams.
4. Unnecessary change in your work and hand writing that can not be easily read may lead to loss of marks.
5. Do not fill anything in the table indicated "for examiners use only" and boxes inside the question paper.

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

SECTION A

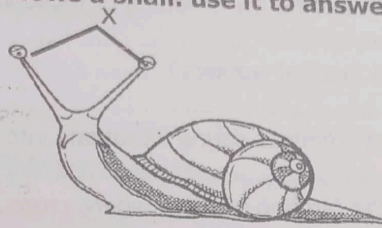
1. Give one example of an item used to clean our bodies.
.....
2. What food value do we mainly get from eating fish?
.....
3. Why is greenstick fracture common in babies and young children?
.....
4. How does a centipede protect itself from its enemies?
.....
5. Name the fungus used to make drugs.
.....
6. How is the method of heat transfer in solids different from that in liquids?
.....
7. Which farming practice helps to reduce rate of transpiration on a plant in a garden?
.....
8. Mention the component of blood that helps to control bleeding.
.....
9. Write down the best method that can control the spread of Gonorrhea among school children.
.....

The diagram below shows a part of an electric circuit. Use it to answer questions 10 and 11.



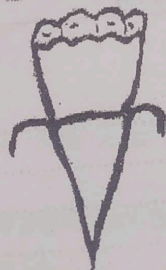
10. Name the part shown above
.....
11. State the importance of the above part in an electric circuit.
.....
12. What term is used to describe the upward movement of water through the soil?
.....
13. Which one way is wind useful as an energy resource in the environment?
.....
14. Give any one reason why farmers debeak their fowls.
.....
15. State the danger of prolonged hookworm infection in the human body.
.....
16. What do we call the animals kept to give company and pleasure at home?
.....
17. How is the breathing of fish similar to that of a young toad?
.....
18. Name the sexual deviation that involves people who are closely related.
.....
19. What is seed dispersal?
.....
20. Why is it important to have a fire extinguisher at school?
.....

The diagram below shows a snail. use it to answer questions 21 and 22.



21. Write down the function of the part marked X to the snail.
.....
22. To which group of invertebrates does the organism above belong?
.....
23. Which type of weather is commonly used to preserve millet seeds?
.....
24. Calculate the mechanical advantage of a machine that lifts a load of 60N using an effort of 20N
.....
25. How does shortage of melanin affect the human skin?
.....
26. Why does an object thrown in air come back to the ground?
.....
27. What do we call chemicals used to kill external parasites on animal skins?
.....
28. Name the immunisable disease that affects both the respiratory and skeletal systems.....
29. State the type of reflection where light rays are sent back in a definite direction.
.....
30. Give the immediate result of serious diarrhoea to a patient. ☐
.....
31. Why are vitamins and mineral salts absorbed directly in the Ileum of human beings?
.....

The diagram below shows a type of mammalian tooth. Use it to answer questions 32 and 33.



32. Which type of tooth is shown above?
.....
33. In which one way can a p.7 candidate prevent the above tooth from decay?
.....

34. Mention any one way of controlling the breeding of mosquitoes near our homes.
.....
35. How is a magnet helpful to medical workers?
.....
36. Which part of the human ear changes sound vibrations into nerve impulses?
.....
37. What name do we give to the farming practice where crops, trees and animals are integrated on the same piece of land?
.....
38. Which structures are put on shoe soles to increase friction when one is moving?
.....
39. Name any one product a farmer can get from bees.
.....
40. State any one way in which the government of Uganda has tried to control the spread of corona virus disease.
.....

SECTION B

41. a. state the major function of the heart to the body.
.....
- b. Name the blood Vessel which carries blood from the heart to the lungs.
.....
- c. Why is blood pumped from the heart to lungs?
.....
- d. Why does the heart have a number of valves in it?
.....

2. The table below shows diseases and their vectors. Study and match them correctly.

A	B
Disease	Vector
Elephantiasis	Aedes Mosquito
River blindness	Infected Female Anopheles Mosquito
Malaria Fever	Culex Mosquito
Yellow Fever	Black Fly

A

B

- (i). Elephantiasis:
- (ii). River blindness:
- (iii). Malaria Fever:
- (iv). Yellow fever:

43.a. Give any two methods of identifying cattle on a farm.

- (i).
- (ii).

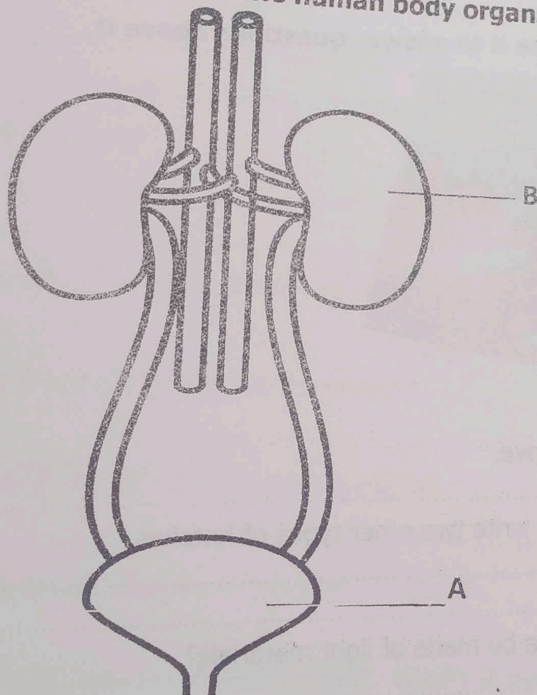
- b. In Which two ways is identification of cattle useful to a farmer?
- (i).
- (ii).

44. Use the series of living organisms to answer questions that follow:

Maize plant → Chicken → Hawk → Cat → Bacteria

- a. Name the kind of relationship shown in living organisms above.
.....
- b. Which of the organisms above is:
(i). a producer? ;
(ii). Secondary consumer? ;
- c. What is the role of bacteria in the relationship above?
.....

45. The diagram below shows human body organs. Use them to answer questions about it.



- a. Name the part marked with letter A on the diagram above.
.....
- b. How is the organ marked B important to the body?
.....
- c. To which body system do the above organs belong?
.....
- d. Suggest any one way of keeping the above organs in a good working condition?
.....

b. In Which two ways is identification of cattle useful to a farmer?

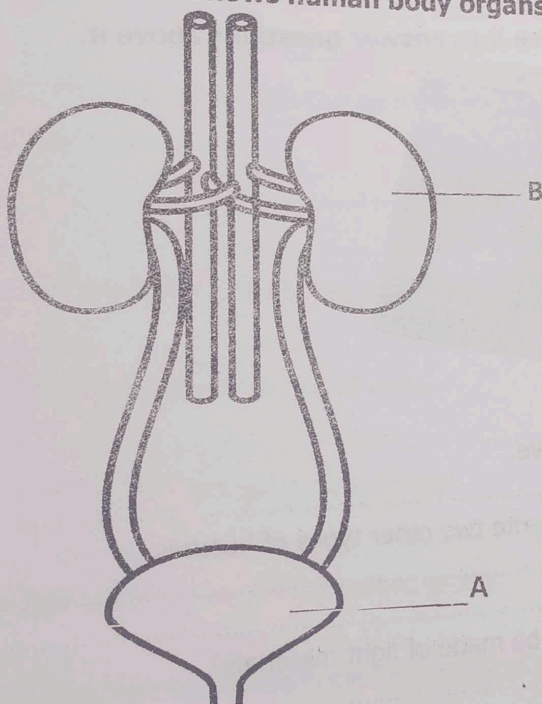
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.....

46. a. Write any one example of each of the following types of changes.

(i). Chemical Change:

(ii). Biological Change:

(iii). Physical Change :

b. State one importance of biological changes in the environment.

.....

47.a. Apart from lungs, name one other body organ damaged by excessive smoking.

.....

b. Name any two respiratory diseases caused by excessive smoking.

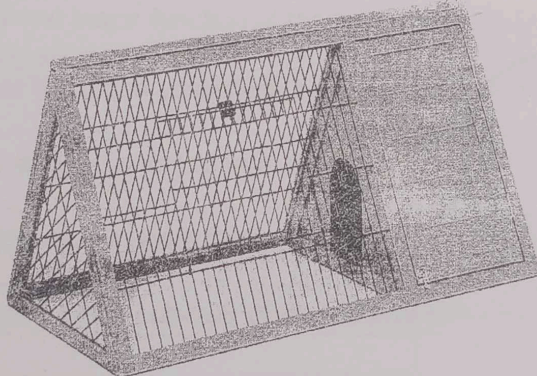
i.

ii.

c. State a suitable advice you can give your friend to stop the habit of smoking.

.....

48. The diagram below is of a hutch. Use it to answer questions above it.



a. Name the type of hutch shown above.

.....

b. Apart from hutch named in above, write two other types of hutches.

(i)

(ii)

c. Why should the hutch shown above be made of light materials?

.....

49.a. What is an energy resource?

.....

b. Write any two ways man can use animals as energy resources.

(i)

(ii)

c. Write down any one inexhaustible energy resource in the environment

.....

50. a. Name the two methods of Immunising children.

(i)

(ii)

b. Which vaccine is administered to babies at nine months?

c. To which group of people is tetanus toxoid vaccine (TT) administered?

51. After carrying out a health survey about common diseases that affect people of Kyabandara Village, the following results were got.

Disease	TB	Malaria	Diarrhoea
Number of victims	25	40	55

a. Which disease commonly affects the people of Kyabandara village?

b. State one common way how TB can be spread.

c. State two pieces of advice that can be given to people of Kyabandara village in order to prevent diarrhoea outbreak.

(i)

(ii)

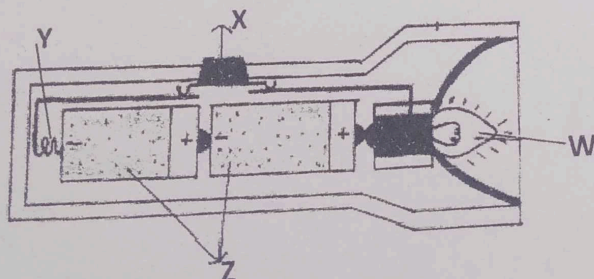
52.a. Name the soil component plants use to make their own food.

b. write any one cause of weathering of rocks.

c. Why is loam soil the best soil for crop growing?

d. Give any one way humus is important to plants.

53. a. The diagram below shows a torch. Study it and answer questions about it.



a. Name the part marked W.

b. Which of the above parts acts as a switch?

c. What form of energy is stored in part marked Z?

d. How is part marked Y useful on a torch?

54.a. How are crutches important in giving first aid to the casualty?

b. What causes fainting?

c. Why is the victim who has fainted made to lie down with the legs raised higher than the head?

d. What first aid would you administer to a casualty with high fever?

55.a Give any two activities performed by school pupils to maintain personal hygiene.

(i)

(ii)

b. In which two ways is proper sanitation important at school?

(i)

(ii)

END