



NAMIREMBE DIOCESE

DEPARTMENT OF EDUCATION COUHEIA EXAMINATIONS

PRIMARY SEVEN MOCK EXAMINATIONS 2022

INTEGRATED SCIENCE

Time Allowed : 2 Hours 15 Minutes

Index No.

Random No.						Personal No.		

Pupil's Name:.....

School Name:.....

Archdeaconry:

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has 11 pages altogether.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers must be written using a blue or black ball point pen or ink. Any work written in pencil other than graphs, pictures and diagrams will **not** be marked.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes indicated: "For Examiners' Use Only" and those inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S SIGN
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. Name **one** common accident which occurs in the kitchen at home.
.....
2. State the characteristic of living things which enables them to multiply in number.
.....
3. Name any **one** layer of soil.
.....
4. Give a reason why a person who has taken poison should be given a lot of fluids to drink.
.....
5. What are **annual crops**?
.....
6. State any **one** way in which people use old plastic buckets in the community.
.....
7. Name the human body organ which people use for thinking and reasoning.
.....
8. How can long sight be corrected in humans?
.....
9. Apart from a maize grain, name **one** other example of a monocotyledonous seed.
.....
10. State **one** disadvantage of bottle feeding.
.....
.....
11. State **one** way in which water is important for plant growth.
.....

12. Give **one** way in which animals can be conserved in the environment.

.....
Use the diagram below to answer question 13.



13. Identify the deficiency disease affecting the person in the diagram.

-
14. How does dumping of plastic and polythene wastes affect soil?

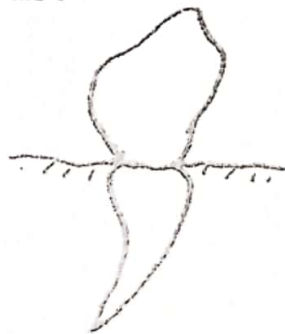
-
15. Give **one** method of controlling animal crop pests in the garden.

-
16. How does presence of oxygen favour multiplication of bacteria in an area?

-
17. How is collecting and burning rubbish important in a community?

-
18. Why is it important to cement the floor of a rabbit hutch?

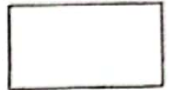
.....
The diagram below shows a type of tooth. Study and use it to answer question 19.



19. State the function of the tooth above.

20. Give **one** example of a liquid substance which floats on water.

.....



21. Name **one** disease which is spread by houseflies to people.

.....

22. State **one** way in which bean plants are similar to cedar plants.

.....

23. In the space provided below, draw a tool used to collect rubbish in a compound.

.....

24. State **one** way in which pupils can manage cold weather during school time.

.....

25. How is a cock different from a hen in terms of their feathers?

.....

Use the diagram of a flower below to answer question 26.



26. Use an arrow with letter **W** to show the part which receives pollen grains during pollination.

.....

27. How are cockroaches able to carry germs to our food?

.....

28. How does too much sunshine cause low food production in an area?
.....
29. How does a honey harvester protect his head from bee stings?
.....
30. State **one** way in which a person can keep his circulatory system in a healthy working condition.
.....
31. State what can be done to recover salt from its solution.
.....
32. How can vaccines be kept safe without losing their health value?
.....
33. Give a reason why a rain gauge is placed in an open area when it is being used.
.....
34. Give **one** method of preserving food using heat.
.....
35. Name **one** component of air.
.....
36. State the importance of immunity in the human body.
.....
37. Which disease in poultry makes chicks to pass out yellowish white droppings with blood, rough feather and drooping wings?
.....
38. Why does hookworm infestation cause anaemia?
.....
39. How can the amount of electricity produced by a bicycle dynamo be increased?
.....
40. State the importance of including fruits in our diet.
.....

SECTION B: 60 MARKS

(Questions 41 to 55 carry **four** marks each)

41. a) Apart from milk, give **two** other products got from cattle.

(i)

(ii)

(b) Write down any **two** methods used by farmers to identify cattle on the farm.

(i)

(ii)

42. (a) Name **two** parts of the human body which are target areas for observing personal hygiene.

(i)

(ii)

(b) State the element of P.H.C which is promoted by observing each of the following activities;

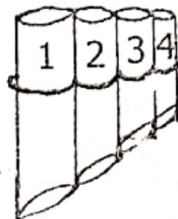
(i) Feeding family members on a balanced diet.

.....

(ii) A pregnant mother going for T.T vaccination.

.....

43. The diagram below shows a local musical instrument. Study and use it to answer the questions that follow.



(a) Name the instrument.

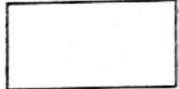
.....

(b) To which group of musical instruments does it belong?

.....

(c) How is sound produced by the musical instrument in the diagram?

.....
(d) Give a reason why pipe 4 produces sound of the highest pitch.

.....


44. (a) Name the group of living things to which mushrooms belong.

.....
(b) Apart from mushrooms and yeast, name **two** other living things which belong to the group above.

(i)

(ii)

(c) Besides yeast, name the cells which the other living things above use for reproduction?

.....
45. a) Apart from the blind, name **two** other special needs people in our communities.

(i)

(ii)

(b) Write any **two** ways in which a blind person can be cared for in a home.

(i)

(ii)

45. (a) Name the form of natural fertilizers formed from these actions;

(i) Decomposition of animal dung and urine.

.....

(ii) Decomposition of leaf-fall.

.....

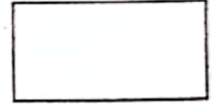
(b) Give a reason why these substances are added to rotting matter when making compost manure;

(i) Ash

.....

(ii) Water

.....



47. The diagram below shows a vertebrate animal. Study and use it to answer questions that follow.



(a) To which group of vertebrates does the animal belong?

.....

(b) Give **one** example of an animal which belongs to the group named in (a) above.

.....

(c) State any **one** danger of the animal in the environment to people.

.....

(d) How can the danger caused by the animal above be controlled?

.....

48. (a) Give **two** advantages of using electricity in the modern world of work today.

.....

(b) How is the use of electricity dangerous in our environment?

.....
(c) How does the use of electricity as a source of fuel conserve the environment?
.....

49. Study the table below which shows composition of gases in both exhaled and inhaled air and use it to answer questions that follow.

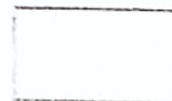
Gas	% in inhaled air	% in exhaled air
Oxygen	21%	16%
Carbondioxide	0.03%	4%
Nitrogen	78%	78%
Water vapour	less	more

(a) Give a reason why there is less oxygen in exhale air than inhaled air.

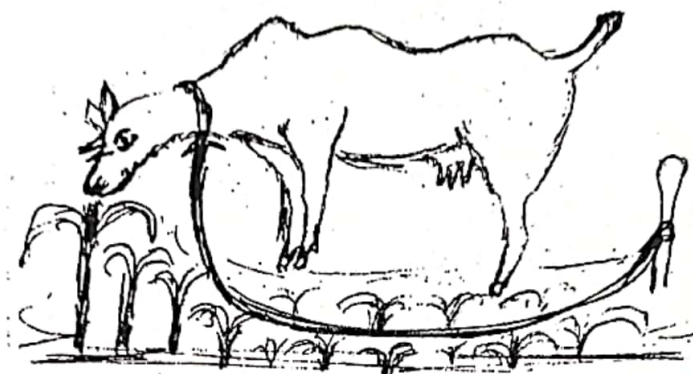
.....
(b) Why is the percentage of Nitrogen the same in both inhaled air and exhaled air? .

.....
(c) Give a reason why there is more carbondioxide and water vapour in exhaled air.

.....
(d) Without using the table above, state one other way in which the air we breathe in is different from the air we breathe out.
.....
.....



50. The diagram below shows a method of grazing goats. Study and use it to answer the questions that follow.



(a) Name the method in the diagram above.

.....
(b) Write down **two** dangers faced by the animal grazing under the method above.

(i)

(ii)

(c) How can a farmer control over-grazing due to the above method?

.....

51. (a) Name **two** common wedges used in preparation of food.

(i)

(ii)

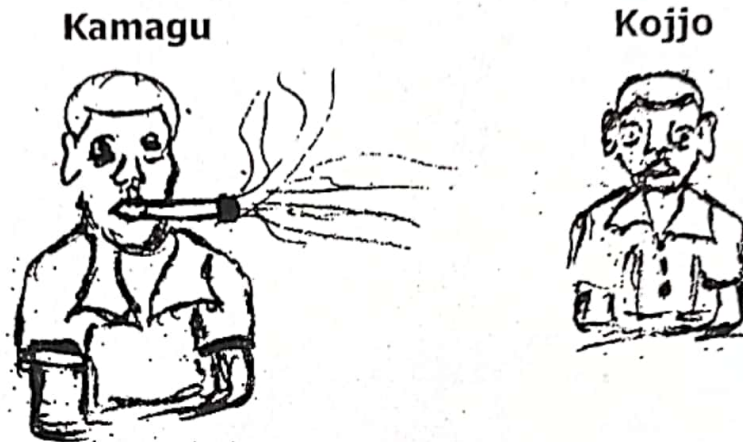
(b) State **one** way people use wedges to prepare food.

.....

(c) State what can be done for people to use wedges easily when preparing food.

.....

52. The diagram below shows the types of smoking. Study and use it to answer questions that follow.



- (a) Identify the boy who is carrying out passive smoking and the one carrying out active smoking:

(i) Passive smoking

.....

(ii) Active smoking

.....

- (b) Write **one** cause of Kamagu's action.

.....

- (c) State **one** way in which Kamagu's action is harmful to his health.

.....

53. (a) Name the kind of movable joint found at the elbow.

.....

- (b) Apart from the elbow, give **one** other example of the joint in 'a' above.

.....

- (c) Mention **two** bones which form the joint at the elbow.

(i)

(ii)

54. (a) Match the digestive disorders in list **A** to their signs and symptoms in list **B** below.

LIST A

Indigestion
Constipation

Vomiting

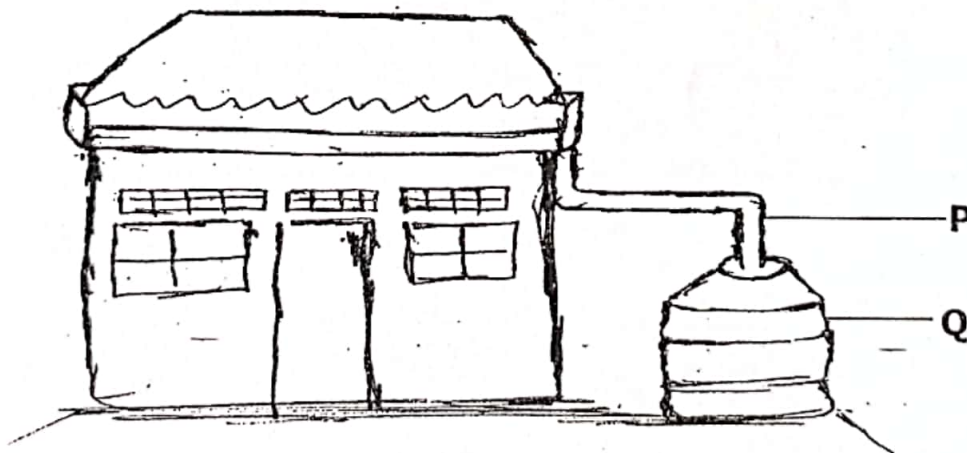
Intestinal obstruction

LIST B

- Difficulty in passing out faeces.
- Twisted and narrow intestine to allow passage of food and water.
- Discomfort in the stomach, heart burn, nausea and tiredness.
- Rejecting undigested food through the mouth

- (i) Indigestion
- (ii) Constipation.....
- (iii) Vomiting.....
- (iv) Intestinal obstruction

55. The diagram below shows a method of harvesting water in the environment. Study and use it to answer the questions that follow.



- (a) Name equipment **Q**.
.....
- (b) State the function of structure **P**.
.....
- (c) Give **one** material from which equipment **Q** is made.
.....
- (d) State **one** danger of keeping water in tool **Q** for al long time without using it.
.....