NAMIREMBE DIOCESE

DEPARTMENT OF EDUCATION

COUHEIA MOCK EXAMINATIONS 2023

PRIMARY SEVEN

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		

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Turn Over

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SECTION A: 40 MARKS

Questions **1** *to* **40** *carry* **one** *mark each.*

1. Name any **one** resource obtained from animals.

.....

2. How is the behaviour of barking helpful to a dog?

.....

3. State any **one** way a person can avoid bad smell from the body.

.....

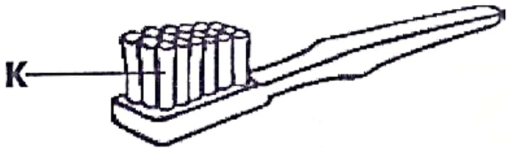
4. In which way is friction useful to a P.7 pupil?

.....

5. Which human body organ is responsible for memorizing and thinking?

.....

Use the diagram of one of the tools used in cleaning our teeth to answer question **6**.



6. State the importance of structures **K** in cleaning our teeth.

.....

7. State **one** way of controlling soil erosion in a school compound.

.....

8. Name the injury caused when a solid hot object touches a person's skin.

.....

9. State the danger which can result from transplanting seedlings during a hot weather.

.....

10. How are insects similar to birds in the way they reproduce?

.....

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11. Give **one** way in which constipation can be prevented.

.....

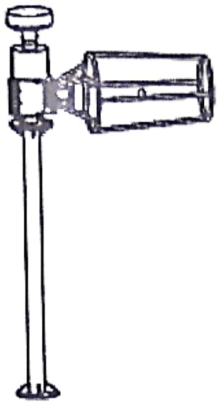
12. Name **one** disease which attracts both rabbits and poultry.

.....

13. How can malnutrition be prevented in a family?

.....

14. State the use of the weather instrument in the diagram.



.....

15. Give **one** way of preserving meat.

.....

16. Name the vector which spreads sleeping sickness to people.

.....

17. Give **one** way of caring for tuber crops in the garden.

.....

18. How does the burning of rubbish help to control diseases spread by houseflies in a community?

.....

19. How are muscles useful to the respiratory system?

.....

20. Give a reason why it is important to save energy in our homes.

.....

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21. Write down any **one** activity that can be done to prevent destruction of green grass in the school compound.

.....

22. Mention **one** component of a VIP latrine.

.....

23. How is the circulatory system important in the production of energy in the human body?

.....

24. Give a reason why it is important to wash hands before preparing Oral Rehydration Solution.

.....

25 Name the limited region around a magnet in which it can exercise its power.

.....

26. State **one** way in which animals depend on other animals.

.....

27. How can hookworm infestation be prevented among people in a community?

.....

28. To which group of flowering plants do beans belong?

.....

29. Name the childhood immunizable disease which shows the following signs: red eyes, sore mouth, runny nose, cough and rush all over the body.

.....

30. State **one** way in which egg eating and cannibolism can be controlled in poultry.

.....

31. How does rainfall support plant growth?

.....

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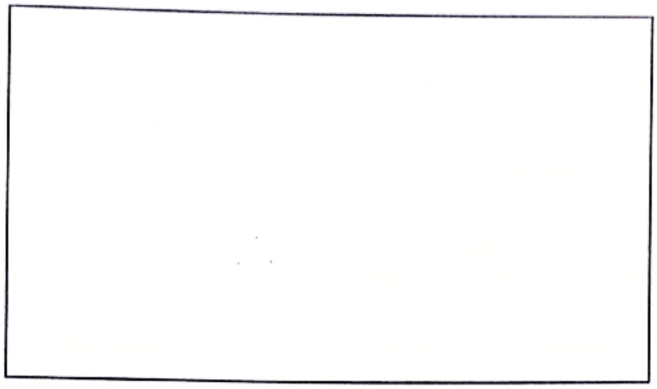
32. Give a reason why PHC services should be provided free of charge in community.

.....

33. In the space provided below, draw a diagram to show the shape of a Diary cow.



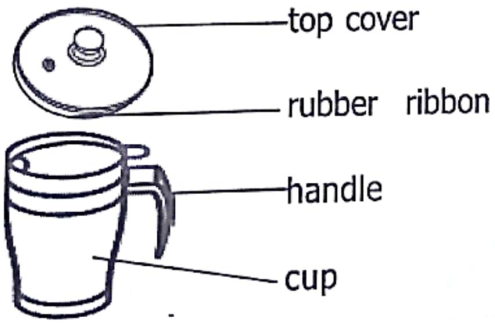
34. Mention any **one** type of smoking.

.....

35. State **one** way in which diseases caused by fungi are spread among people.

.....

The diagram below is of a Thermos cup. Study and use it to answer question **36.**



36. State the use of the rubber ribbon on the top cover.

.....

37. Write down any **one** thing which can be done to obtain clean milk on a cattle farm.

.....

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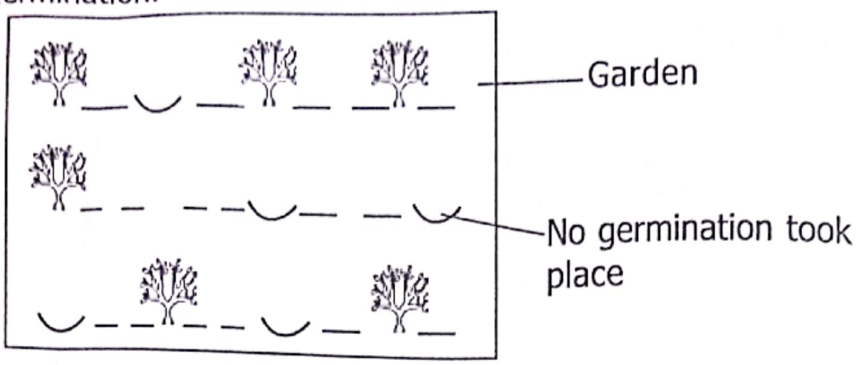
The diagram below shows seedlings in a garden two weeks after germination.



38. State the crop growing practice which should be done to ensure the target plant population in that garden.

.....

39. Give **one** way of safe guarding drugs against spoilage.

.....

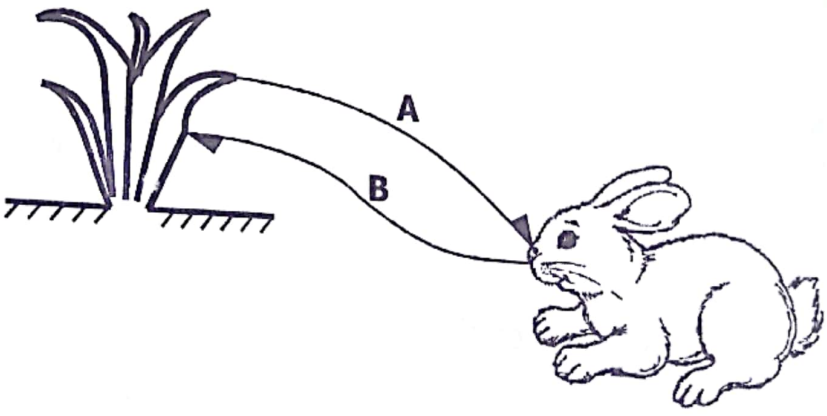
40. Name the distance between the effort and fulcrum on a lever machine.

.....

SECTION B: 60 MARKS

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

41. The diagram below shows a relation between animals and plants in the environment. Study and use it to answer questions.



(a) State the relationship in the diagram above

.....

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(b) Name the gases represented by letters **A** and **B**.

(i) **A** .....

(ii) **B** .....

(c) State **one** way of caring for plants in the environment.

.....

42. (a) Give the meaning of the following:

(i) drug abuse .....

.....

(ii) drug dependance .....

.....

(b) Give **two** examples of drugs of dependence.

(i) .....

(ii) .....

43. (a) Apart from amphibians, name two other groups of cold blooded vertebrates.

(i) .....

(ii) .....

(b) How do frogs differ from Toads in the way they breathe?

.....

(c) State the importance of the jelly which covers the eggs of a frog.

.....

44. (a) What is refraction?

.....

.....

(b) What causes the change in speed of light as it passes through different media?

.....

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(c) State **one** danger caused due to refraction in swimming pools.

.....

(d) How can total internal reflection be prevented in a pin-hole camera?

.....

45. a) Name the equipment used for harvesting each of the following resources.

(i) rain water.....

(ii) Heat and light from the sun.....

(b) State **one** use of energy got from the sun.

.....

(c) How does the use of energy from the sun help to conserve the environment?

.....

46. (a) Name the animal fibre which is obtained from goats

.....

(b) Apart from the fibre named in (a) above, give **two** other products got from goats.

(i) .....

(ii) .....

(c) Mention any **one** system of grazing goats.

.....

47. (a) State the method of propagation used with the following crops.

(i) Maize: .....

(ii) Irish potatoes .....

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(b) Use the diagram below to answer questions that follow.

(i) Identify the structure used for propagation above.

.....

(ii) Give **one** example of a crop which can be propagated using the above structure.

.....

48. (a) What is fainting?

.....

(b) State the major cause of fainting.

.....

(c) Write down any **one** condition which can lead to fainting.

.....

(d) State the first aid which can be given to a person who has fainted.

.....

49. **(a)** Apart from too much rainfall, give **two** other natural causes of change in the environment.

(i) .....

(ii) .....

(b) State **two** ways in which too much rainfall is dangerous in the environment.

(i) .....

(ii) .....

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50. (a) Write down **two** artificial methods of family planning which prevent ovulation.

(i) .....

(ii) .....

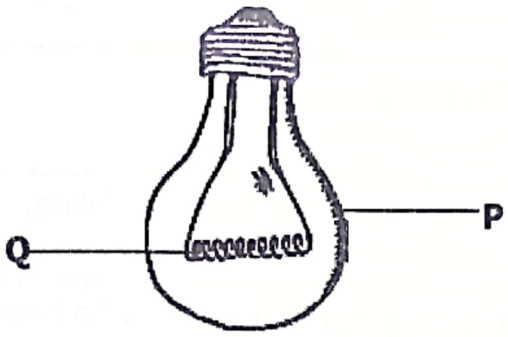
(b) State any **one** dangers of artificial methods of family planning.

.....

(c) In which way can breast feeding be made effective to prevent pregnancy?

.....

51. The diagram below shows an electric bulb. Study and use it to answer questions that follow.



(a) Name part marked **P**.

.....

(b) Why is part marked **Q** coiled?

.....

.....

(c) Give a reason why part **P** is made of glass.

.....

.....

(d) State the energy change which occurs at **Q** when current flows through it.

.....

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52. (a) Give **one** examples of an ecto-parasite and one endo-parasite in cattle.

(i) ecto-parasite:

.....

(ii) endo-parasite:

.....

(b) Give **one** way in which ecto-parasites affect cattle.

.....

(c) Why is it important to know the direction into which wind is blowing before spraying cattle with acaricides?

.....

53. (a) Name the type of soil which has the following property:

(i) best capillarity:

.....

(ii) best drainage:

.....

(b) State **two** ways in which humus is important in the soil.

(i) .....

.....

(ii) .....

.....

54. (a) Name the type of immunity a baby gets through breast feeding from the mother.

.....

(b) Which mineral element does a mother lose through excessive breast feeding?

.....

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(c) Apart from fluids, name **one** other food requirement for a breast feeding mother.

.....

(d) Give a reason why breast feeding mothers should be given extra fluid to drink.

.....

55. A man is provided with a single fixed and single movable pully to use one of them to lift a load of 100N to the top of a building.

(a) Which of the two pulleys should the man use to make the work easy?

.....

(b) Gice a reason for your answer in (a) above.

.....

(c) Apart from friction, give **one** other force which makes work with pulleys difficult.

.....

(d) How can friction be reduced in moving parts of machines?

.....

END

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