



NORTH ANKOLE DIOCESE EDUCATION DEPARTMENT



PRE-PRIMARY LEAVING EXAMINATION 2024

INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.:

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Candidate's Name: _____

School Name: _____

Archdeaconry: _____

Read the following instructions carefully

1. This paper has sections **A** and **B**. Section **A** has **40** questions. Section **B** has **15** questions.
2. Answer all questions. All answers to both sections **A** and **B** must be written in the space provided.
3. All answers must be written in **blue** or **black** ball point pen or ink, only **diagrams** and **graph** work may be done in pencil.
4. Any handwriting that cannot be easily read may lead to loss of marks.
5. No **calculators** are allowed in the examination room.
6. Do not fill anything in the box shown for **Examiner's Use Only**.

"FOR EXAMINER'S USE ONLY"

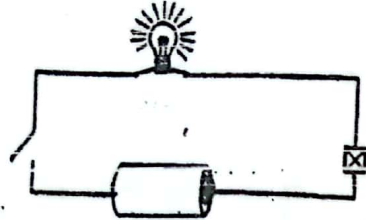
Qn. No.	MARKS	EXR'S SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 - 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

SECTION A:

1. How do we call a family composed of a father, mother and their biological children together with a house keeper?

2. State **one** role played by a tippy tap in promoting good health.

3. Using letter X, show on the diagram of an electric circuit, the part that produces electricity



4. What is the voltage in the circuit shown above?

5. Mention any **one** activity a P.7 pupil should carry out to promote cleanliness in a home.

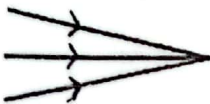
6. Give any **one** way mulching improves soil fertility in a garden?

7. Identify the group of simple machines in which the tool below belongs.



8. Give any **one** health problem caused by smoking to an individual.

9. Identify the type of beam of light shown below.



10. How is the functioning of a fuse similar to that of a switch?

11. Name any **one** mineral salt necessary for good formation of bones and teeth?

12. Write down a disease that attacks both rabbits and poultry.

13. Why is it not good to breathe through the mouth instead of the nose?

14. Identify any **one** situation where living things depend on non-living things in the environment.

15. Apart from being vertebrates, state **one** other way in which the following animals are similar.
(crocodile , Fish , Eagle)

16. Under what group of birds does the one with such a beak belong?

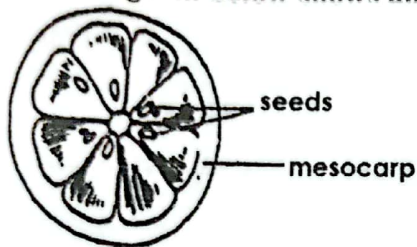


17. Give the scientific name of the three small bones found in the middle ear.

18. State **one** advantage of using mercury in thermometers over alcohol.

19. Name the gas released by plants during photosynthesis.

20. The diagram below shows an example of a succulent fruit. How is such a fruit dispersed?



21. What role does insulin play in the body?

22. How does electricity help in the conservation of the environment?

23. Name any **one** disease that affects the liver.

24. How does mulching control the growth of weeds in a garden?

25. 5R's is **one** way of controlling wastes in the environment. Name any **one** of the R's.

26. A stone with a mass of **225g** displaced **15cm³** of water. Find its density?

27. Suggest any **one** way firewood can be saved.

28. Identify any **one** endo-parasite in man.

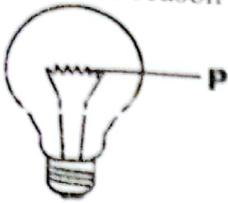
29. How does a blanket thrown over a burning fire put it off?

30. How can you obtain salt from a water salt solution?

31. Give any **one** advantage of prolonged breast-feeding to mothers.

32. Identify any **one** practice carried out on a goat farm to identify animals.

33. State the reason why part labelled **P** is coiled?



34. Give any one way paddock system of grazing is important to farmers?

35. In the environment, atmosphere is filled by air. Mention the component of air that takes up 0.97%

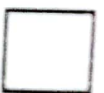
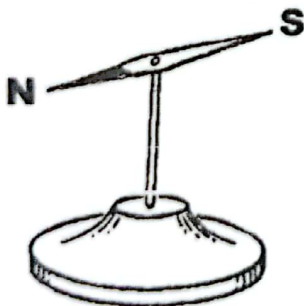
36. How are babies protected against some killer diseases at birth?

37. What problem is most likely to be faced by young girls who get pregnant before completing school?

38. Write **RHU** in full.

39. Why is evaporation said to be a physical change?

40. State the property of magnets that is illustrated by the diagram below?



SECTION B:

41. (a) State any **two** types of nutrition in living organisms.

(i) _____

(ii) _____

(b) Why can't a mushroom make its own food?

(c) How is the sun important during photosynthesis?

42. (a) State any **two** community health concerns.

(i) _____

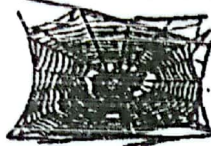
(ii) _____

(b) Write down any **two** diseases that arise from poor water supply.

(i) _____

(ii) _____

43. (a) The diagram below shows a home of a certain animal.



(a) Name the structure shown above.

(b) Which animal uses such a structure?

(c) Why is it unhealthy to leave such structures in a human house?

(d) Under what group of invertebrates is the animal you have named in (b) above?

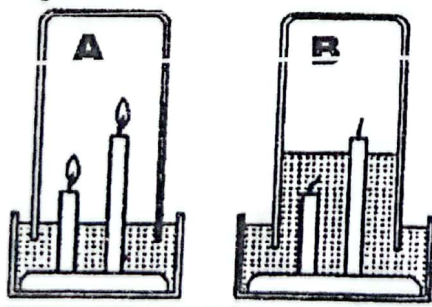
44. (a) Name the method of making alcohol that involves heating.

(b) What role is played by yeast in the process of preparing alcohol?

(c) Identify **one** danger of alcohol to an individual.

(d) How can an alcoholic be helped to stop this habit?

45. Study the experiment below and answer questions that follow.



(a) Why do the candles continue burning for sometime in A?

(b) Why do you think the candles in B went off?

(c) Identify the gas that was greatly formed in B.

(d) What does the experiment above show?

46. (a) Define the term **agro forestry**.

(b) Give any **two** ways animals benefit from crops in agro forestry.

(i) _____

(ii) _____

(c) State any **one** way fencing is important in agroforestry.

47. Match the items in group A with those in group B.

Group A

(i) Kangaroo

(ii) Duckbilled platypus

(iii) Rabbits

(iv) Dolphins

Group B

- sea mammals

- gnawing mammals

- pouched mammal

- flying mammal

- egg laying mammal

(i) Kangaroo _____

(ii) Duck billed platypus _____

(iii) Rabbits _____

(iv) Dolphins _____

48. Soil is one the most important resources man needs to carry out many activities

(a) Identify any **two** components of soil.

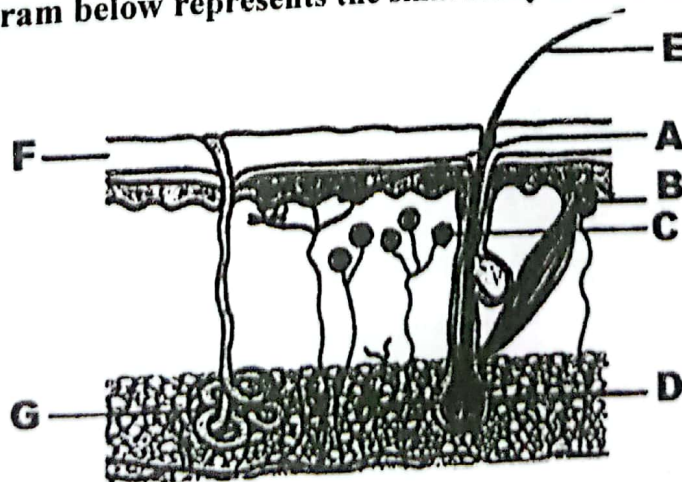
(i) _____

(ii) _____

(b) How do farmers contribute to the loss of soil fertility in the environment?

(c) Name any **one** way farmers can keep their soil fertile.

49. The diagram below represents the skin. study it carefully and answer questions that follow.



(a) Name the parts labelled:

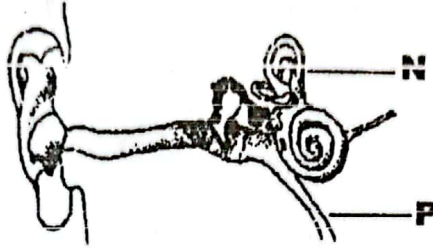
(i) E _____

(ii) G _____

(b) State any **one** function of the skin.

(c) Mention any **one** disease that affects the skin.

The diagram below shows the mammalian ear. Study it carefully and use it to answer the questions that follow.



50. (a) Name the parts labeled with letters P and N.

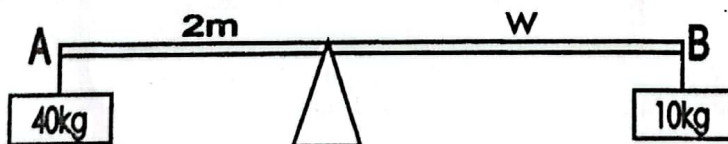
(i) P _____

(ii) N _____

(b) Mary used a sharp object to clean her ears and had her eardrum pierced. How is that practice dangerous?

(c) The speed of sound in air is 330m per second. How far will the sound travel in one minute?

51. The diagram below shows a rigid bar supporting forces at a pivot. Study it and answer questions that follow.



(a) Find the distance marked W.

(2marks)

(b) Name the class of levers to which the sea-saw belongs,

(c) Mention any other simple machine in the same class as a see-saw.

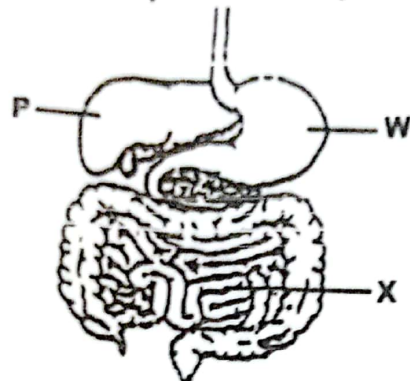
52. (a) In which way are the spiracles of an insect similar to the gills of a tadpole?

(b) What happens to the diaphragm during breathing in?

(c) Why is the trachea made up of rings of cartilage?

(d) Mention any **one** immunisable disease that affects the lungs of children.

53. The diagram below shows part of the alimentary canal of man. Study it carefully and answer questions that follow.



(a) Name parts labeled with letters P and X.

(i) X _____

(ii) P _____

(b) Name any **one** enzyme found in the juice produced in organ marked W?

(c) Why is part labeled with letter P very important in the process of digestion?

54. (a) Give any **one** importance of a wetland in the environment.

(b) Mention any **one** animal that lives in wetlands.

(c) Name any **one** animal that lives both in water and on land.

(d) State any **one** way of protecting wetland resources in the environment.

55. (a) Write ECOSAN in full.

(b) State any **one** advantage of a VIP latrine over the convectional one?

(c) Apart from smoking pit latrines, how else can a person maintain the cleanliness of such a latrine?

(c) How far should a pit latrine be built from the water source.

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