



ARCHDIOCESE OF MBARARA
PRE-PRIMARY LEAVING EXAMINATION 2024
INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

Index Number:

School EMIS						Personal No.		

Candidate's Name:.....

Candidate's Signature :.....

School Name:.....

Parish Name:.....

Read the following instructions carefully: The

paper has two sections: **A** and **B**

1. Section **A** has **40** questions (40 marks)
2. Section **B** has **15** questions (60 marks)
3. Answer **ALL** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
5. Unnecessary crossing of work may lead to loss of marks.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. Do **not** fill anything in the boxes indicated;

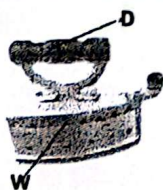
FOR EXAMINER'S USE ONLY

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

SECTION A: 40 MARKS

1. State the importance of wire mesh on a rabbit hutch.
.....
2. How can you remove germs from a mango before eating it?
.....
3. Name any one method used in drying hides and skins in your area.
.....
4. What energy change takes place in an electric cell placed along an operating electric circuit?
.....
5. Give one example of ball and socket joint.
.....
6. Why do butterflies lay their eggs beneath the leaves?
.....
7. Which type of pollination is most likely to take place in a flower where the anthers are taller than the stigma?
.....
8. What is the importance of crutches to a casualty?
.....
9. How are honey badgers dangerous to bee keepers?
.....
10. Give one factor which increase the rate of transpiration in plants.
.....
11. Why do some layers lay eggs with soft shell?
.....
12. How are the three tinny bones found in the ear important in the process of hearing in the human body?
.....
13. Why should every school have a school health club?
.....
14. Give the role of sun in the food chain?
.....
15. Give the importance of regular body check up to a person.
.....

The diagram below shows an iron box. Use it to answer number 16 and 17



16. Why is part marked **D** wooden?
.....

17. Which part of a living house works in the similar way as part marked **W**?

18. Mention the accident where a kiss of life is applied.

19. Give any **one** disease that attacks both muscles and bones.

20. How is moth able to locate flower at night?

21. Name one sign of bloating as a digestive disorder.

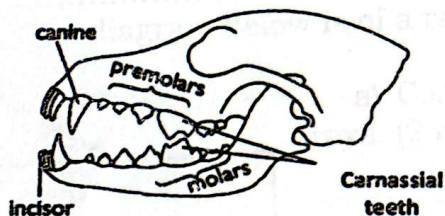
22. Name the group of plants which have root nodules and store their seeds in pods.

23. Give any **one** factor which determines weathering of rocks as a method of soil formation.

24. How does a woolen sweater keep us warm during cold days?

25. Why are poultry farmers encouraged to change litter regularly in a deep litter system.

The diagram below is a jaw bone of animal. Use it to answer question 26



26. Name the group of mammal that has the type of skull shown above

27. What is meant by dislocation as a disorder of muscular and skeletal system?

28. State any one method used to obtain clear water from a mixture of silt.

29. Name any **one** type of vaccine.

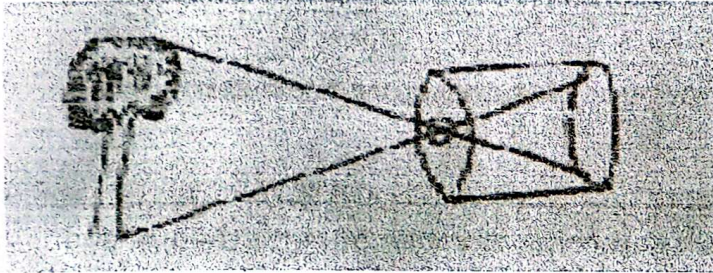
30. State any one condition necessary for the bacteria to breed and multiply.

31. In which part of the body is carbon dioxide removed from the blood stream?

32. State the danger of keeping like poles of magnet together for a long period of time.

33. Why is toucan and a crested barbets placed in the same group?

The diagram below is of a pinhole camera. Use it to answer the question 34.



34. Show the image on the pinhole camera.

important crop growing practice in some tuber crops?

35. How is earthing up an

36. What type of leaf venation is common in plants whose seeds have one cotyledon?

37. Give the example of the natural spectrum.

38. Convert 960°C to $^{\circ}\text{F}$.

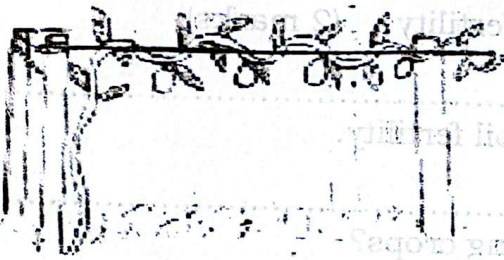


39. Why are the solar panels usually placed on the roof-top of buildings?

40. State any **one** way in which your skin regulates body temperature on a hot day.

SECTION B: (60 MARKS)

41. The diagram below illustrates a method of plant training. Study and use it to answer questions about it.



a) Name the method of training illustrated in the diagram.

b) Identify any **one** crop which can be trained using the method in the diagram above.

c) Besides the method illustrated, name any other method used to support plants with weak stems above the ground.

d) State any **one** advantage of the method in the diagram above in crop growing.

42. a) Name the **two** types of pollination.

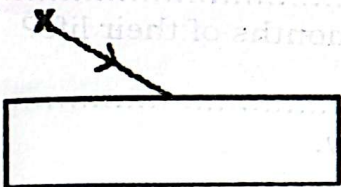
i)

ii)

b) Write down any **one** non-living agent of pollination.

c) Give one importance of pollination to plants.

43. The diagram below is of a ray of light coming into contact with a glass block.



a) Complete the diagram above by drawing the missing rays. (2 marks)

b) Name the ray of light marked X

c) Give any one effect of refraction of light.

44. a) What is PIASCY in full?

b) How are PIASCY messages important to P7 candidates?

c) A part from display of PIASCY messages at your school, give any other two ways a school can inform pupils about health.

i)

ii)

45. a) Explain how deforestation reduces on soil fertility (2 marks)

b) Give any one practice that can improve on soil fertility.

c) Why is the top layer of the soil best for growing crops?

46. Kataala lifted a saucepan filled with hot water which accidentally poured on his foot.

a) Name the injury which Kataala got.

b) What First Aid can be given to Kataala?

c) Give any **two** reasons of giving First Aid to people like Kataala?

i)

ii)

47. a) Besides the infant (childhood) immunisable diseases, give any other two diseases that can be immunized.

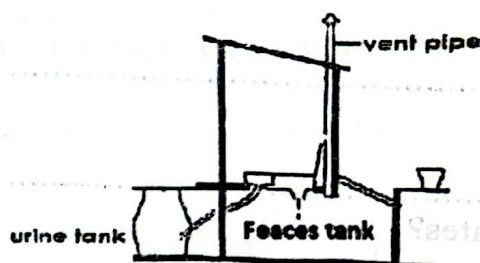
i)

ii)

b) Why should babies be exclusively breastfed for the first six months of their life?

c) Give one way under which a baby may get artificial immunity.

48. The diagram shows an item used to promote sanitation at home.



a) What name is given to the above facility?

b) Why should ash be poured in the above facility?

c) State any advantage of such a facility at home.

d) Give one danger of not having such a facility at home.

49. Match the respiratory diseases in a list A to their signs in list B correctly.

List A

Whooping cough
Lung cancer
Asthma
Tuberculosis

List B

Difficult in breathing
Chronic cough
Vomiting
Filters blood
Abnormal growth of cells in the Lungs.

- i) Whooping cough
ii) Lung cancer
iii) Asthma
iv) Tuberculosis

50. Mortar and pestle are used in our homes during preparations of food.

a) Give two food stuffs that can be prepared using the above items.

- i)
ii)

b) How can we care for the above items after using them?

c) Give any other local item used in our kitchen apart from the above.

51. a) State the difference between warm blooded and cold blooded animals.

b) State **two** factors to consider when classifying animals.

- i)
ii)
c) Under which group of vertebrate is Pika grouped?

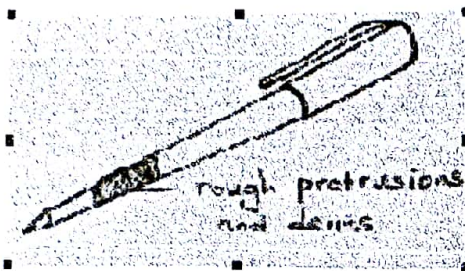
52. a) How do mulching control weeds in the garden?

b) Mention **two** dry plant materials used as mulches in our garden.

- i)
ii)

c) Apart from hiding pests give any other disadvantage of mulching the garden.

53. The diagram below is of a pen. Use it to answer question about it.



a) Which force enables:
i) The flow of ink from the pen when one is writing?

ii) The pen to write steadily on the paper?

b) What is the importance of the rough protrusion and dents?

c) How do machines simplify work?

54. a) Write **AIDS** in full.

b) Identify one body fluid through which HIV spreads from one person to another.

c) What is the meaning of the following letters in AIDS?

i) A.....

ii) S.....

55. a) What is meant by the term pollution?

b) How do the following components of the environment get polluted?

i) Air

ii) Water

c) Give any one disease related to pollution.

END