ANKOLE DIOCESE EXAMINATIONS SECRETARIAT

PRE-MOCK EXAMINATION

2022

INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

INDEX NO:

EMIS NO						Personal No.		

Candidate's Name:.....**Signature:**.....

School Name:.....**EMIS No**.....

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.
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-pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
4. Unnecessary alteration of work may lead to **loss** of marks.
5. Any handwriting that cannot be easily read may lead to **loss** of marks.
6. **Do not** fill anything in the box indicated **"for Examiner's use only"** and those inside the question paper.

FOR EXAMINER'S USE ONLY		
QN NO.	MARK	Examiner's Sign
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-49		
50-52		
53-55		
TOTAL		

TURN OVER

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SECTION A: 40 MARKS

1. Which body organ is sensitive to light ?

   .....

2. How are the brightly coloured petals of a flower enable insects to pollinate plant flowers ?

   .....

   .....

3. State **one** way in which a duck billed platypus differs from other mammals in terms of reproduction.

   .....

4. Give any **one** way how one can avoid Oral rehydration salts from being contaminated.

   .....

5. Name the important role carried out by the moist skin of earthworms.

   .....

6. Mention **one** permanent method of birth control in man.

   .....

7. Why do people who harvest honey wear bee veils ?

   .....

   .....

8. What type of farming practice should a farmer use to get both crops and animal products ?

   .....

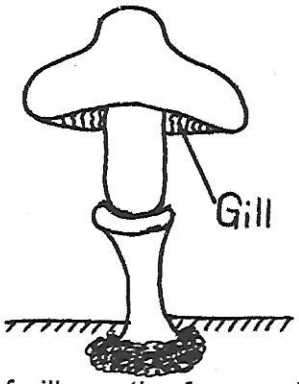
9. State any **one** way in which a slung is similar to a grasshopper.

   .....

10. Identify any **one** health life style a Primary seven candidate can practice to prevent diseases.

.....

The diagram below is of a fungus, study it and answer the question that follows:



11. Give the importance of gills on the fungus drawn above.

.....

12. Mention any **one** way of promoting food security in our families.

.....

13. In which way is a cobweb useful to a spider ?

.....

.....

14. Name any **one** animal fibre which is used as a raw material for textile industries.

.....

15. State the main function of white blood cells in the human body.

.....

16. Give the function of the back bone on the skeleton.

.....

17. Write down **one** use of plants in the water cycle.

.....

Turn over

18. State any **one** reason why a sick person may take under dose of the medicine.

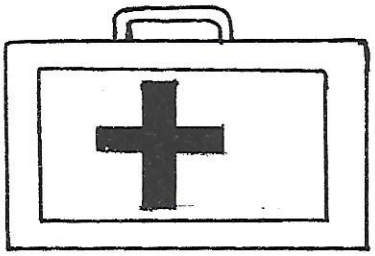
.....

.....

19. What is the immediate result of fertilization in both animals and human beings ?

.....

The diagram below is of a first aid box, study and answer questions that follow:



20. Give the reason why the first aid box is marked with a red cross ?

.....

21. Mention any first aid kit used in first aid for wounds.

....

22. Why would animals in paddock system not easily be attacked by East coast fever ?

.....

.....

23. How can a cassava plant obtain its food when it sheds off leaves during dry season ?

.....

.....

24. Give the reason why solar panels are painted black ?

.....

.....

25. Iron metals are usually painted to prevent them from rusting. How does painting of iron metals stop rusting ?

.....

.....

26. Why is sanitation an important element of Primary Health Care ?

.....

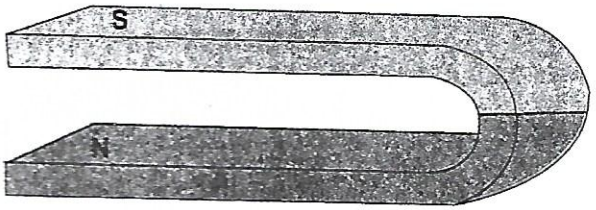
.....

27. State the reason why water settles at the bottom when it is mixed with cooking oil.

.....

.....

The diagram below shows a horse-shoe magnet, study it and answer question 28.



Horse-shoe Magnet

28. On the diagram above, show the flow of magnetic lines of force.

29. How is the trachea adapted to its function ?

.....

.....

30. In which way are houseflies dangerous to the sense of sight ?

.....

.....

31. Name the germ that causes yellow fever to people.

.....

Turn over

32. Give a reason why it is not advisable to clean a clinical thermometer by boiling.

.....

.....

33. Which gas is taken in by plants during the night ?

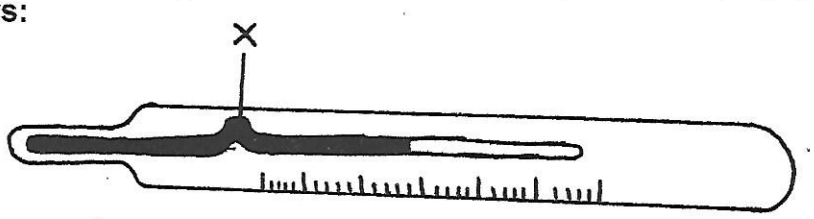
.....

34. Why does a bimetal bend when heated ?

.....

.....

The diagram below shows the type of thermometer. Study it and answer the question that follows:



35. Name the type of thermometer shown above.

.....

36. Give a reason why immunization in Uganda is free of charge.

.....

.....

37. Name the injury which results from tearing of the ligament in the knee.

.....

38. State any **one** characteristic of an essential drug.

.....

39. A farmer planted 200 seeds of groundnuts, and only 74 seeds germinated.

Calculate seed viability percentage.

40. Name the breathing organs of a spider.

.....

SECTION B: 60 MARKS.

41a) Give any **two** ways of controlling the spread of HIV/AIDS without using drugs.

i).....

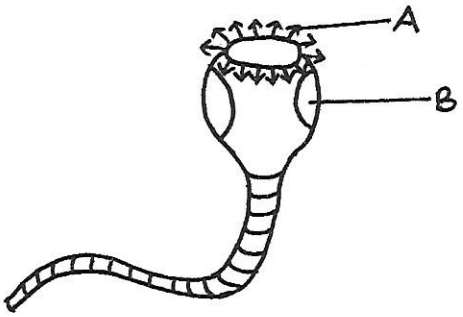
ii).....

b) State any **two** ways in which a Primary seven candidate controls the spread of Malaria in the community.

i) .....

ii).....

42. **The diagram below shows a head of a tape worm. Study it and answer the questions that follow.**



a) Name the parts of a tape worm marked;

i) **A**:.....

ii) **B**:.....

b) Give the main function of part **B**.

.....

.....

c) How does the tape worm enter the human body ?

.....

.....

43a) To which group of vertebrates does each of the following animal belongs.

i) Bat:.....

ii) Toad:.....

b) How does a bat locate food at night ?

.....

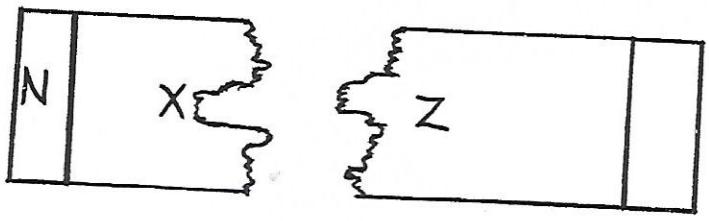
.....

c) Which type of fertilization does a toad have ?

.....

.....

44. **The diagram below shows a broken bar magnet. Study it and answer Questions that follow:**



a) Name the poles of magnet formed at;

i) **X**:.....

ii) **Z**:.....

b) Which property of magnet is shown in the diagram above ?

.....

c) Why does a freely suspended bar magnet in air rests pointing North to South direction ?

.....

.....

Turn over

45.a) Name the body organ where gaseous exchange takes place.

.....

b) Which gas is used in respiration in the body ?

.....

c) Give any **two** diseases of respiratory system caused by smoking.

i) .....

ii) .....

46.a) Mention any **two** methods of applying fertilizers in the garden.

i) .....

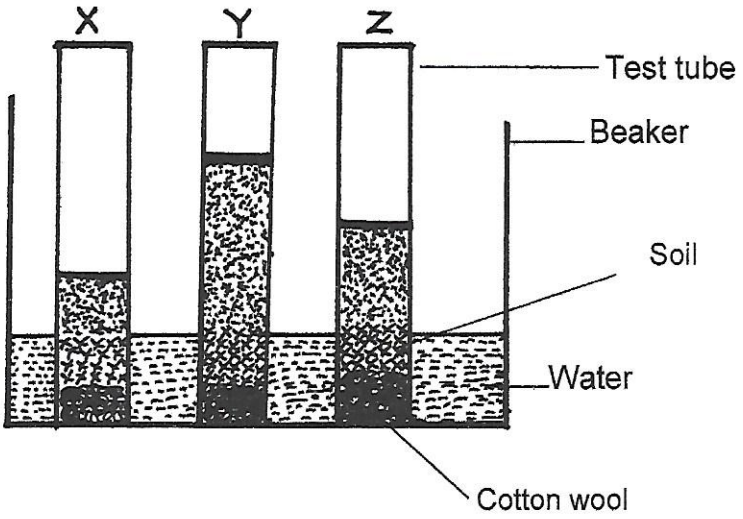
ii) .....

b) State any **two** examples of natural fertilizers.

i) .....

ii) .....

47. **The diagram below shows an experiment performed by a Primary seven candidate on soils. Study it and answer the questions that follow:**



a) What was the candidate testing about soil ?

.....

b) Which type of soil is the best for crop growing according to the above experiment ?

.....

c) Name the type of soil marked **Y.**

.....

d) State the function of cotton wool on the above experiment.

.....

.....

48a) Name the largest organ in the human body.

.....

b) Give any **one** example of a disease that attacks the body organ named in **48(a)** above.

.....

Turn over

c) State any **two** ways of caring for the body organ mentioned in **48(a)** above.

i) .....

ii) .....

49. **Complete the table below correctly.**

Vector	**Germ**	**Disease**
Housefly	**i)**_____	Trachoma
Tsetse fly	Trypanosoma	**(ii)**_____
Water snail	Schistosome	**(iii)**_____
Female Anopheles mosquito	**(iv)**_____	Malaria

50a) Write ECOSAN in full.

.....

b) State the main function of a latrine at home.

.....

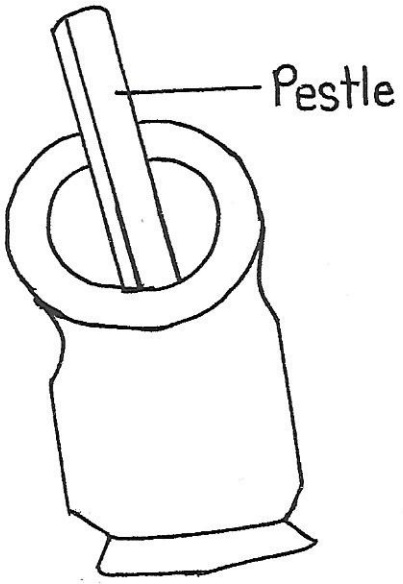
c) Give any **two** diseases that can spread to people due to poor disposal of wastes.

i) .....

ii) .....

51. The diagram below shows an equipment commonly used in rural areas.

Study it and answer questions that follow:



a) Name the equipment drawn above.

.....

b) State any **two** common cereal crops pounded using the above equipment.

i).....

ii) .....

c) State **one** disadvantage of using the above tool.

.....

52a) Give a reason why a kilogram of stones has a low volume compared to a kilogram of wool .

.....

.....

b) Mention the method used to measure the volume of an Irish potato.

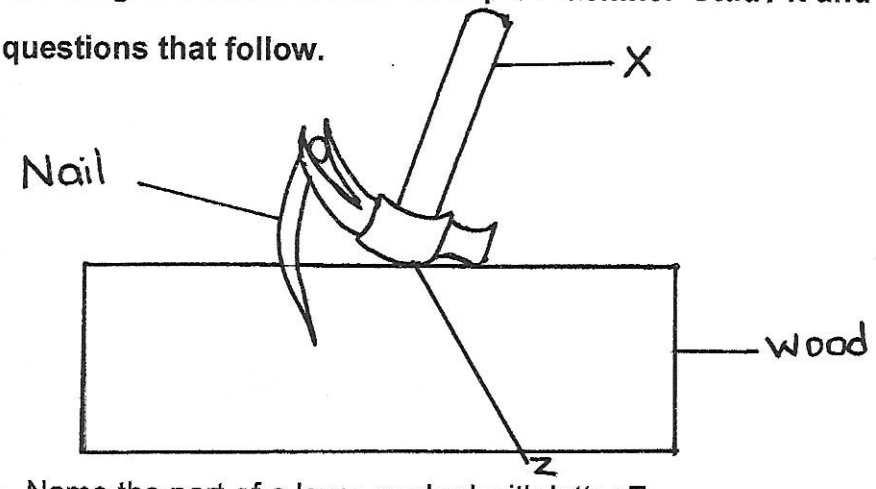
.....

Turn over

c) An object has a mass of 400g and volume of 20cc. Calculate the density of an object.

(2 mks)

53. **The diagram below shows a simple machine. Studv it and answer questions that follow.**



a) Name the part of a lever marked with letter **Z.**

.....

b) To which class of levers does the machine in the diagram above belong ?

.....

c) Give a reason why Engineers enclose building sites while building.

.....

.....

d) A part from the simple machine above, state **one** other example of levers that fall in the same class with the machine.

.....

54a) State any **two** causes of dehydration in children.

i) .....

ii) .....

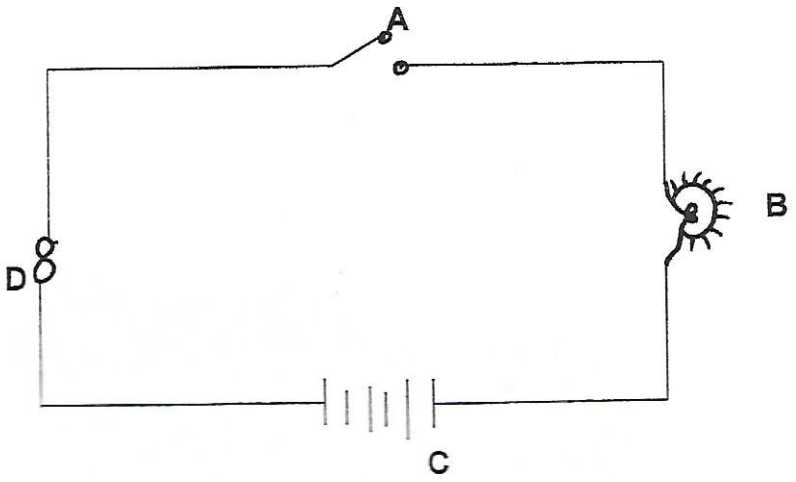
b) Give any **one** reason of giving oral rehydration salts (ORS) to dehydrated children.

.....

c) Identify any **one** reason for adding sugar in a home made oral rehydration salts (ORS)

.....

55. The diagram below shows a simple circuit. Study it and answer questions that follow.



a) Name the part marked **D.**

.....

b) Why is part **A** important in the above diagram ?

.....

.....

c) State the energy change that takes place in part marked **C** when **A** is pressed.

.....

.....

d) A part from light, give another form of energy produced at **B**.

.....

END