



HILLSIDE PRIMARY SCHOOL
BEGINNING OF TERM THREE EXAMINATIONS

2022

INTEGRATED SCIENCE (SET TWELVE)

Time Allowed: 2 Hours 15 Minutes

Index No.

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Candidate's Name.....Stream.....

Candidate's Signature.....

EMIS No.....

District Name.....

Read the following instructions carefully

1. The 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-point pen or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. Unnecessary changes in 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 boxes indicated: **"For Examiners' Use Only"** and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A: 40 MARKS

1. Give one importance of electricity to the industrial sector of Uganda.

.....
.....

2. How do people benefit in wetlands?

.....
.....

3. Name one organ commonly affected by alcohol.

.....
.....

4. Name the tool that is used to transplant seedlings.

.....
.....

5. State the difference between near drowning and drowning.

.....
.....

6. Give one cause of short circuits.

.....
.....

7. Name the immunizable water borne disease that affects muscles and nerves.

.....
.....

8. Where is honey stored in a modern bee hive?

.....

.....

9. How are incisor teeth adapted to their function?

.....

.....

10. Why are people encouraged to perform regular physical exercises?

.....

.....

11. Give one way of acquiring natural immunity besides recovering from sickness.

.....

.....

12. What enables red blood cells to transport oxygen around the body?

.....

.....

13. How is tropism important to plant?

.....

.....

14. State the importance of saliva in the process of digestion of proteins.

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.....

15. Identify the disease spread culex mosquito.

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16. Apart from picking food, give any other way birds use their beaks.

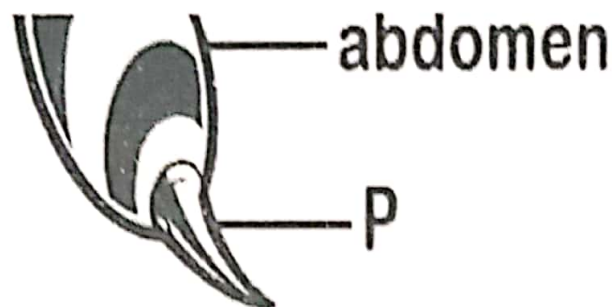
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17. Identify the first stage in a village food path.

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Study the diagram below and answer questions 18 and 19.



18. How the above structure is marked P important to bees?

.....

.....

19. Why does a bee die after using the above structure?

.....

.....

20. Mention one requirement for starting up a poultry project.

.....

.....

21. How is yeast different from most of the fungi in terms of reproduction?

.....

.....

22. Why do farmers castrate bulls?
.....
.....
23. Mention the element of PHC that enables our parent to space children.
.....
.....
24. How does quarantine prevent the spread of diseases in cattle?
.....
.....
25. Apart from using ORS, how else can one rehydrate the body?
.....
.....
26. What is meant by "Golden hour" as used in first aid?
.....
.....
27. In the space below draw a simple serrated leaf.
28. Why is distilled water not recommended for drinking?
.....
.....

29. How does application of oil stagnant water on control malaria?
.....
.....
30. How is a blubber useful to cetaceans?
.....
.....
31. How does a porcupine protect itself?
.....
.....
32. Give one similarity between light and sound as forms of energy?
.....
.....
33. Give one disadvantage of broadcasting method of planting.
.....
.....
34. State one way how weeds can be important to a farmer.
.....
.....
35. Give one characteristic of a soluble substance.
.....
.....
36. Why are invalids classified as vulnerable people?
.....
.....

37. What term is used to mean the bringing back of food to the mouth from the stomach for further chewing?

.....
.....

38. Mention the main product obtained from alpine goats.

.....

39. Mention one factor that can lead to absconding in bees.

.....
.....

40. How does heat travel through a vacuum?

.....
.....

SECTION B: 60 MARKS

41. a) What are chemical changes?

.....
.....

b) Give two examples of chemical changes.

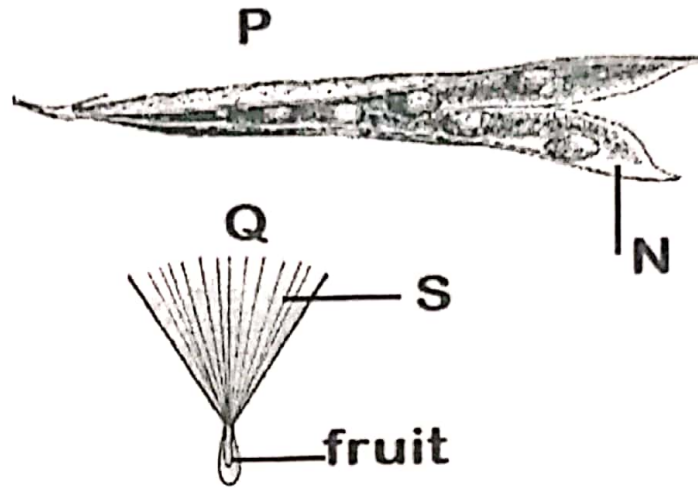
i).....

ii).....

c) Mention one characteristic of chemical changes.

.....
.....

42. Study the diagrams shown below and answer questions that follow.



a) Identify the method of dispersal shown in P and Q above.

i).....

ii).....

b) Name structure marked N in diagram P.

.....

c) How are structures marked S useful to the fruit shown in Q?

.....

.....

43. a) State one danger of poor disposal of human wastes.

.....

.....

b) Give two examples of water vector habitat diseases.

i).....

ii).....

c) Mention one way of maintaining proper sanitation at home.

.....
.....

44. a) Mention the property of magnetism that helps us to detect direction.

.....

b) Mention one example of a natural magnet.

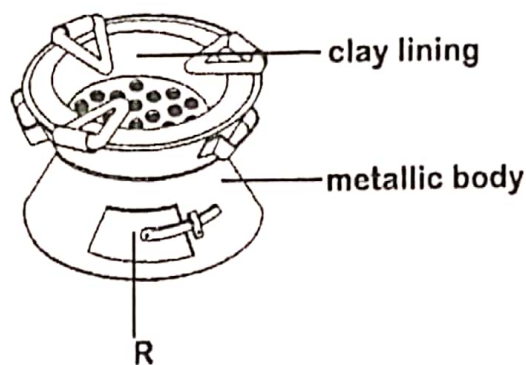
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c) Mention two importance of magnetism in the modern world.

i).....

ii).....

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



a) Name the item shown above.

.....

b) Why should part R be open when the item is working?

.....
.....

c) Why is the item said to be environmentally friendly?

.....
.....

d) Name the energy resource that enables the above item to work.

.....
.....

46. a) What do we call the upward movement of water through the soil?

.....
.....

b) Why is clay soil able to keep water longest?

.....
.....

c) Mention two uses of soil.

i)

ii)

47. a) What is heat?

.....
.....

b) Give two effects of heat on matter.

i).....

ii).....

c) How is heat useful in preservation of food?

.....
.....

48. a) Define the term "frequency" as used in sound.

.....

b) Mention two factors that determine pitch in sound.

i).....

ii).....

c) How is sound used economically?

.....

49. Study the table below and answer questions that follow

A	D	C	D
Snake	Wallaby	Salamander	Dove
Tortoise	Porcupine	Frog	Pigeon
Gecko	Seal	Newt	Owl
Skunk	Guinea pig	Toad	Cuckoo

a) Give one characteristic common to all the above animals.

.....

b) How are animals A different from those in C in terms of reproduction?

.....

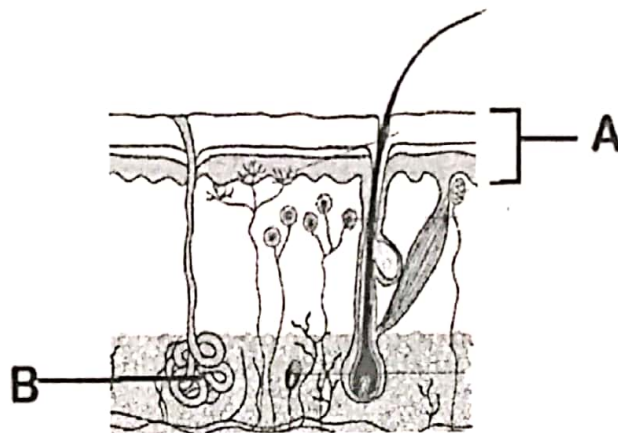
b) Name the class of vertebrates that is not represented above

.....
.....

d) Which characteristic would use to classify A and D in the same group

.....
.....

50. The diagram below shows a body organ. Use it to answer questions that follow.



a) Name parts A and B.

A.....

B.....

b) Give one excretory importance of the above organ.

.....
.....

c) How does the above organ regulate body temperature?

.....
.....

51. What are Narcotic drugs?

.....

(b) Give one example of narcotic under the stimulant category of drugs.

.....

c) State two dangers of narcotic drugs.

i).....

ii).....

52. Complete the table below correctly

Disease	Cause
Trachoma
.....	Salmonella typhi
.....	Sarcoptes scabiei
Malaria

53. (a) Name one breed of sheep that is good for wool production.

.....

(b) Apart from wool, give one other product got from a sheep.

.....

.....

(c) Why docking in sheep rearing should be carried out in sheep rearing.

.....

.....

(c) Give one advantage of keeping records on a farm.

.....

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54 a) What is breast feeding?

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c) Why is breast milk regarded as the best food for babies?

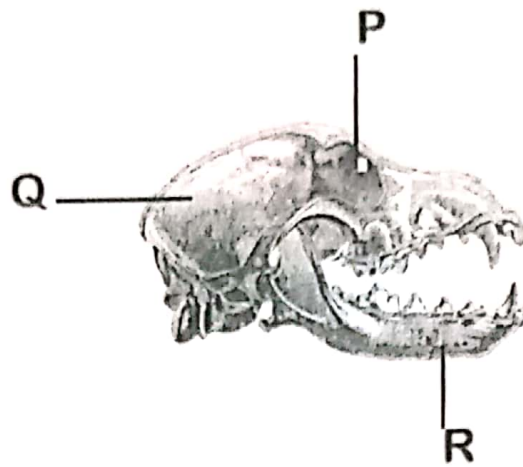
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d) Mention two situations where breast feeding is regarded risky to the baby.

- i).....
- ii).....

55. The diagram below shows part of the mammalian skeleton. use it to answer questions that follow



a) Identify parts marked P and R

P.....

R.....

b) According to the diagram, mention one class of mammals the above skull belongs to

.....

.....

c) Give the reason to support your answer in (b) above

.....

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END