



HILLSIDE PRIMARY SCHOOL

EXAMINATIONS

2023

INTEGRATED SCIENCE (SET TWO)

Time Allowed: 2 Hours 15 Minutes

Index No.

Random No.						Personal No.		

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. To which group of vertebrates does a skunk belong?

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.....

2. Which gas increases in the atmosphere during respiration in animals?

.....
.....

3. Identify any one state of matter through which heat travels by convection.

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.....

4. Briefly explain the first aid you can give to a person who has been choked.

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5. Why are ventilators placed above windows and doors on a house?

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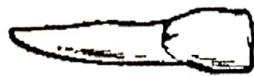
6. Name the medical instrument used to measure the temperature of a human being.

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7. Mention any one non-infectious respiratory disease.

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8. Identify the type of tooth shown below



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9. Mention the one property of light that enables a periscope to work.

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.....

10. Identify the type of weather that can lead to contraction of electric wires fixed on the poles.

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.....

11. How can water be obtained from a salt solution?

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12. Which body sense is affected by trachoma?

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.....

13. Point out any one example of sex deviation.

.....

14. State one activity done to control the spread of malaria.

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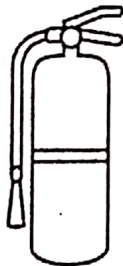
15. Calculate the density of an object with mass 15g and volume 25ml

16. Write any one method of extracting honey from honey combs.

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.....

Study the diagram of the safety equipment below and answer question 17.



17. Why is the above equipment painted with bright colours?

.....

18. Mention one practice done to control soil erosion on the banana plantation.

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.....

19. Why are children always encouraged to have proper body posture?

.....
.....

20. In which way can a primary seven pupil utilize electricity at home?

.....
.....

21. On which body part of insect is the ovipositor found?

.....

22. Identify the enzyme that enables ripening of fruits to take place.

.....
.....

23. In the space provided below, illustrate induction method of magnetization.

24. Which tool is used for fixing ear tags on farm animals?

.....

.....

25. In which way can water be used as an energy resource?

.....

.....

26. Which petroleum product helps in reducing friction?

.....

.....

27. Cite out one factor considered when prescribing a drug by doctors to patients.

.....

.....

28. Give one example of a primary consumer in a food chain.

.....

29. Why is a breast feeding baby grouped under vulnerable people?

.....

.....

30. Give one way in which alcoholism has affected Ugandan families.

.....

.....

31. Give one danger of water silting.

.....

32. What is the importance of rinsing clothes after washing?

.....

.....

33. Mention the function of the blood cell below.



.....

34. How does temperature affect the speed of sound?

.....

.....

35. Name the substance in tobacco that causes addiction.

.....

36. Mention the first step in preparation of ORS.

.....

37. Mention one example of a sea mammal.

.....

38. Mention one permanent method of family planning.

.....

39. How are moss different from ferns in terms of reproduction?

.....
.....

40. Mention one characteristic of digestive enzymes.

.....
.....

SECTION B: 40 MARKS

41. a) What is meant by the following terms as used in electricity?

i) Polarization

.....
.....

ii) Local action

.....
.....

b) Name the kind of a cell commonly affected by polarization and local action.

.....

c) Give one way of increasing the strength of an electromagnet.

.....
.....

42 a) The term photosynthesis means the process by which plants make their own food. "What does the phrase "synthesis" mean?

.....
.....

b) Mention the two products of the above process.

i).....

ii).....

c) Why can't the above process occur at night?

.....
.....

43. Match the diseases below with their causes correctly.

- | | |
|-----------------------|-----------------|
| (i) Sleeping sickness | filarial worm |
| (ii) Typhoid | trypanosomiasis |
| (iii) River blindness | plasmodium |
| (iv) Elephantiasis | salmonella. |

Sleeping sickness

Typhoid

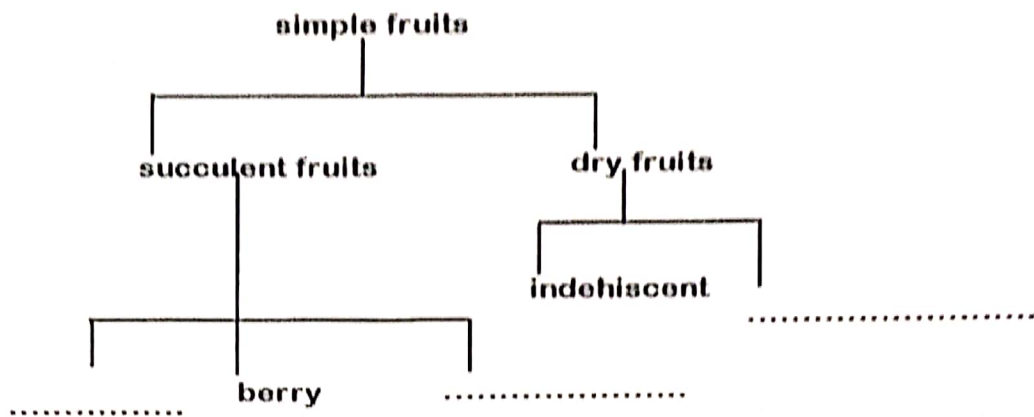
River blindness.....

Elephantiasis

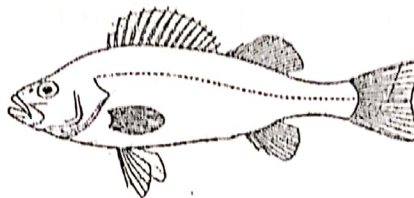
44. (a) Give one characteristic that differentiates a fruit from a seed.

.....
.....

b) Complete the table below.



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



a) To which group of vertebrates does the organism belong?

.....

b) On the above diagram, use letter M to show the parts that acts as the rib cage in man.

c) Apart from malaria, mention any other disease controlled by eating the above animal.

.....

d) How is the above organism able to keep buoyant in water?

.....

.....

46. a) Give any one type of poultry kept at home.

.....
.....

b) Why are poultry vices common in deep litter system of poultry keeping?

.....
.....

c) How is poultry keeping useful to each of the following?

a. Banana farmers.....

b. Bakers

47. a) How are beans similar to conifers?

.....
.....

b) Give one example of a conifer.

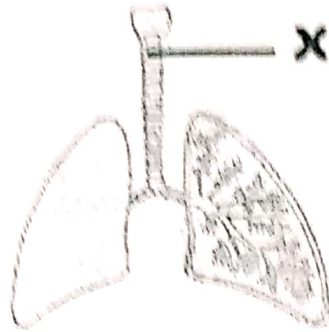
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c) Give one conditions that farmer growth of moss.

.....
.....

e) In the space below, draw a moss and show a sporangium.

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



a) Name the system under which the above organs are found.

.....

b) Using letter R, show the part where exchange of gasses occurs.

.....

c) Mention one disease of the above organ.

.....

d) Why is part x made of rings of cartilage?

.....

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49. a) What are tick borne diseases?

.....

.....

b) Give two examples of tick borne diseases.

i).....

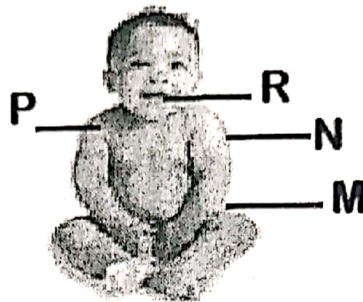
ii).....

c) Give one effects of external parasites to live stock.

.....

.....

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



a) Identify the vaccines administer at R and M

M.....

R.....

b) Which letter represents the part where hep b vaccine is administered?

.....

d) How is immunization important?

.....

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51. a) What is refraction of light?

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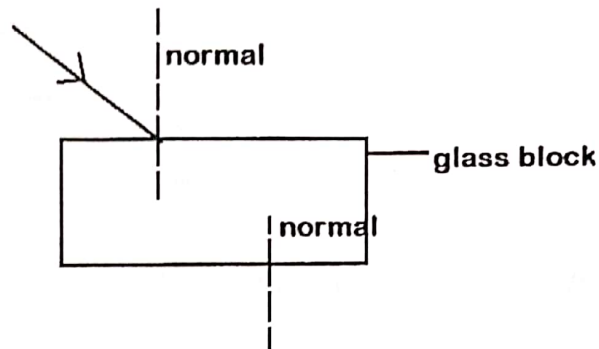
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b) Mention one principle of refraction.

.....

.....

c) Complete the diagram below by showing the refracted ray and emergent ray.



52. a) Why are lungs called excretory organs?

.....

.....

b) Besides feeling, give any other two functions of the skin.

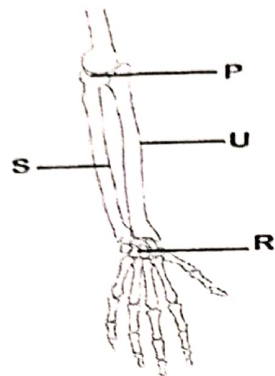
- (i).....
- (ii).....

c) How is hair found on the skin useful to man?

.....

.....

53. The diagram below shows part of the human arm. Study it carefully and answer the questions that follow.



a) Why is the joint found at R grouped under movable joints?

.....

b) Under which type of bones is bone marked with S?

.....

c) Name the movable joints marked with letters.

P.....

R.....

54 (a)Mention the first two steps in cleaning clothes at home.

(i).....

(ii).....

(b)State any one method of obtaining clean water for washing clothes at home

.....

(c) Why is it important to clean water for washing clothes?

.....
.....

55. a) What is a machine?

.....
.....

b) Give one way how a machine simplifies work.

(i).....

(ii).....

d) Identify the class of simple machines for each of the following.

i) screw nail.....

ii) axe