



PERFECT EDUCATION SERVICES - KAMPALA

PRIMARY SEVEN MID TERM 1 EXAMINATION

2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.	EMIS No.	Personal No.
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Candidate's Name

Candidate's Signature.....

EMIS No.

District Name

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 point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked.
4. Unnecessary changes in your 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 the table indicated: "For Examiners' Use Only" and boxes inside the question paper.

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

Turn Over

SECTION A: (40 marks)

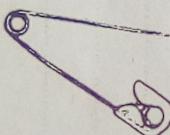
Questions 1 to 40 carry one mark each.

1. Name the part of a flowering plant where photosynthesis mainly takes place.
2. State any one factor that may lead to swarming of honey bees.

3. Give any one use of proteins in the human body.
4. Give any one way in which rotting of matter is important in the environment.

5. Why is it advisable to chew food properly before swallowing it?
6. State any one way in which weeding helps to control pests in the garden.

The diagram below shows a tool used to administer first aid. Use it to answer questions 7 and 8.



7. Name the tool used to administer first aid shown above.

8. State any one use of the shown tool when administering first aid.

9. Give any one activity done by a family in the control of malaria in a home.

10. Name the hardest part of a human tooth.

11. State any one use of essential drugs in the human body.

12. State any one element of primary Health Care (PHC) which is important in the prevention of COVID-19.

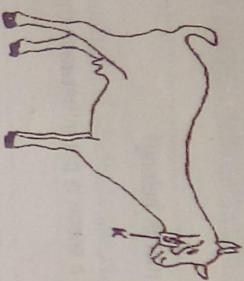
13. How does alcoholism affect the human digestive system?

14. State any one characteristic of a ball and socket joint.

15.State any **one** method of harvesting tuber crops.

16.Name the fungi used to make antibiotics.

The diagram below shows one of the management practices in goat rearing. Use to answer questions 17 and 18.



17.Name the management practice shown with letter **K**.

18.How is the above practice important to a goat farmer?

19.Which type of chicken is kept for meat production?

20.Give any **one** way first aiders can prevent contamination of wounds.

21.Name the blood vessel that carries deoxygenated blood from the heart to lungs.

22.Give any **one** way sunny weather promotes proper plant growth in the environment.

23.State any **one** way in which proper sanitation controls the spread of diseases in a home.

24.Mention any **one** way mothers can prevent dehydration of their children.

Use the diaaram of the animal below to answer questions 25 and 26.



25.Identify the group of invertebrates to which the above animal belongs.

26. How does the above animal protect itself?

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27. Name the body organ used to taste food?

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28. State any **one** way people acquire non-communicable diseases.

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29. How is the propagation of banana plants similar to that of pineapples?

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30. To which type of change does rotting of matter belong?

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31. Give a reason why a metallic object like a spoon is put in between the teeth of a convulsing victim.

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32. Give any **one** importance of smoking pit latrines.

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33. State **one** reason why cyclists usually apply grease around the chain of the bicycle.

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34. Name the method of heat transfer in gases.

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35. Write any **one** condition that may make a woman vulnerable.

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36. State **one** way in which echoes can be reduced in a large hall.

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37. State **one** way in which soaking of clothes before washing is important.

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38. Give any **one** way of conserving non-renewable resources.

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39. Why is distillation not a recommended method of making drinking water safe?

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40. Give any **one** way of controlling tapeworm infections in children.

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SECTION B: 60 Marks

Questions 41 to 55 carry four marks each.

- (i) Density:
(ii) Mass:

- b) The mass of an iron rod is **60g**. If its volume is **12cm³**, Calculate its density

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- 42.a) Apart from row planting, writing any **one** other method of planting crops in the garden.

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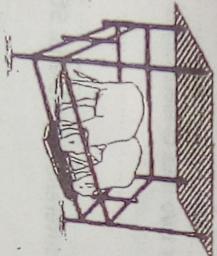
- b) State any **two** advantages of planting crops in rows.

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

- c) State any **one** importance of a hoe during planting of crops in the garden.

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43. The diagram shows cattle grazing system. study and use it to answer the questions that follow



a) Name the cattle grazing system shown above.

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b) What type of natural manure can be got from the above system?

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c) Apart from easy collection of manure, state any **two** advantages of the above cattle grazing system.

(i).....
(ii).....
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- 44.a) How does sound as a form of energy travel?

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- b) In which state of matter does sound travel fastest?

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- c) State any **two** factors that determine the pitch of sound.

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

45.a) Name the excretory organ that removes carbon dioxide out of the body.

b) Apart from carbon dioxide, mention any **two** other examples of excretory waste.

(i).....

c) State any **one** way in which ringworm infection can be controlled among school children.

(ii).....

46.a) Mention any **two** examples of materials used as litter in a poultry house.

(i).....

(ii).....

b) Give any **two** advantages of litter in a poultry house.

(i).....

(ii).....

47.a) Name the part of an electric circuit that performs the following function.

(i) Produces electricity:

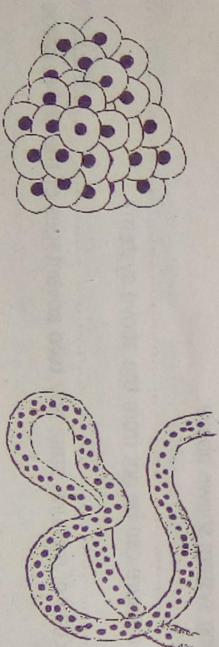
(ii) Completes and breaks the circuit:

b) Apart from giving heat and light, give any other **two** uses of electricity to people.

(i).....

(ii).....

48. The diagram below shows eggs laid by different amphibians. Study and use it to answer questions that follow.



a) Identify the amphibian that lays eggs marked **W** and **Z**.

(i) **W**:

(ii) **Z**:

b) How are such eggs fertilized?

c) State any **one** characteristic of amphibians apart from laying eggs

49. The table below shows parts of the digestive system in part A and their functions in part B.

A: Digestive Organ	B: Function
Liver	Produces gastric which contains pepsin enzymes
Stomach	Produces saliva which softens food
Ileum	Produces bile juice that emulsifies fats
Mouth	Where final food digestion and absorption occurs

Match correctly the parts of the digestive system with their functions in the spaces provided below.

- (i) Liver:
(ii) Stomach:
(iii) Ileum:
(iv) Mouth:

50. a) Name the method of making alcohol that involves;

- (i) heating of crude alcohol;
(ii) The use of yeast in a well covered container;
b) How is yeast used in production of alcohol made?

c) Apart from the liver, write any other organ greatly affected by alcohol.

51. a) State the function of each of the following parts of the respiratory system,

- (i) Trachea:
(ii) Air sac:

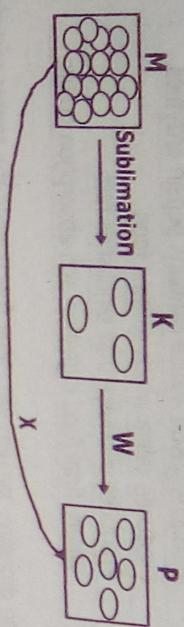
b) State what happens to the diaphragm during breathing in.

c) Which bad health life style affects the respiratory system?

52. a) Name the **two** types of seed germination.

- (i)
(ii)
b) How is water useful during seed germination?
c) Apart from water, write any **one** other condition necessary for a seed to germinate.

53. The illustration chart below shows states of matter and changes of state and use it to answer questions that follow.



a) Identify the state of matter marked with letter **P** and **K**

(i) **P**: (ii) **K**:

b) State any **one** similarity between the changes of state marked **W** and **X**.

c) By what method of heat transfer does heat travel through state of matter marked **M**?
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54. Give the meaning of the following items;

(i) Adolescence

(ii) Puberty

b) State any **one** Primary sex characteristic that takes place in boys during adolescence.

c) Give any **one** danger of teenage pregnancy to adolescent girls.

55.a) Write down any **two** components of a fertile soil.

(i).....

(ii).....

b) State any **two** practices a crop farmer can do to improve on soil fertility.

(i).....

(ii).....