



SUREKEY EXAMINATIONS BOARD

PRIMARY FOUR LPTE PREPARATION SET 2

2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Admission No.					Personal No.			

Pupil's Name:		
Pupil's Signatu	re:	
School Name: .		
District Name:		

Read the following instructions carefully:

- 1. Do not forget to write your **school** or **district name** on the paper.
- This paper has two sections: A and B.
 Section A has 40 questions and section B has 15 questions. The paper has 11 printed pages.
- 3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
- 4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
- 5. Unnecessary **changes** in your work and handwriting that cannot be read easily 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				

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each

1.	Name the type of cloud that promotes plant growth.
2.	Which animal product is used to make shoes?
3.	State any one characteristic of clay soil.
4.	Give any one way of caring for sick children at home.
	The diagram below shows a message commonly found in the school compound. Use it to answer questions 5 and 6 .
5.	Identify the programme that emphasizes the above message.
6.	How is the above message useful to school children?
7.	Write down any one activity done to conserve trees in the environment.
8.	Give any one advantage of pruning crops in the garden.
9.	Name the body organ that enables a primary four child to listen to the teacher during a lesson.

10.	How does a caterpillar benefit from its prickly hair?
11.	State any one agent of soil erosion.
	The diagram below shows a garden tool. Use it to answer questions 12 and 13 .
12.	Name the garden tool above.
13.	How is the above garden tool important to a crop farmer?
14.	Why should water obtained from open walls be boiled before drinking it?
15.	State any one way in which a rabbit benefits from a bean plant.
16.	State any one way of reducing dust in the school compound.
17.	What plant system does the radicle form when it grows?
18.	How can germs be removed from hands after visiting a latrine?
19.	Mention any one local method of keeping food safe for future use.

	Name the gas contained in a fire extinguisher.
21.	State any one role of children at home.
22.	How is the function of stomata in a leaf similar to that of gills in a fish?
23.	State any one way of protecting domestic animals from diseases.
	The diagram below shows an item used to promote personal hygiene. Study it and answer questions 24 and 25 .
24.	
	Name the item used to promote personal hygiene above.
25.	Name the item used to promote personal hygiene above. Give any one way in which the above item helps to promote personal hygiene.
25.	Give any one way in which the above item helps to promote personal
25. 26.	Give any one way in which the above item helps to promote personal hygiene.
25. 26.	Give any one way in which the above item helps to promote personal hygiene. Write down any one cause of natural changes in the environment.
25. 26. 27.	Give any one way in which the above item helps to promote personal hygiene. Write down any one cause of natural changes in the environment. How is a safety pin useful when giving first aid?

30.	How are rats similar to snakes in the way they live?
31.	Which component of soil is formed from animal wastes?
32.	Give any one use of water in promoting sanitation.
33.	State any one way in which windy weather is useful to people.
34.	Give any one way of preventing germs from food.
35.	Which condition is prevented by painting metals?
	The diagram below is of an item commonly found in the classroom. Study and use it to answer questions 36 and 37 .
36.	Name any one source of raw material commonly used to make the above item.
37.	In which way is the above item useful to school children?

38.	Give	the meaning of the term environment.
39.	Giv	e any one effect of too much sunshine in an area.
40.	In v	which one way is a cat useful at home?
		,
		SECTION B: 60 MARKS
		Questions 41 to 55 carry four marks each.
41.	diagram below shows a disease vector. Study and use it to answer questions that follow.	
	(a)	Identify the disease vector shown above.
	(b)	Mention any two diseases spread by the vector shown above. (i)
		(ii)
	(c)	State any one way of controlling the above vector at home.
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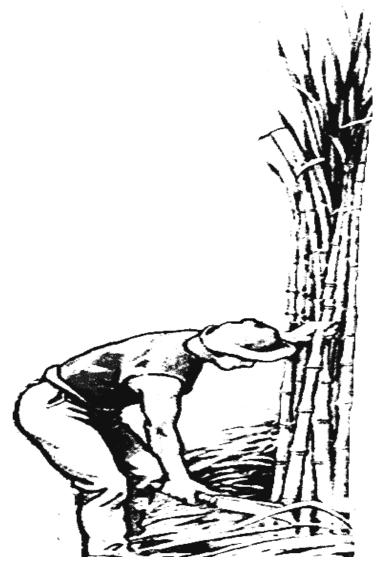
		7 Turn Ove	er:
	(c)	State any one way of caring for the above part of the leg.	
	(b)	How is labelled B useful to a person while moving?	
		(ii) C	
		(i) A	•••
	(a)	Name the parts labelled A and C.	
	tne d	questions that follow.	
1 4.	The	diagram below shows part of the body. Study and use it to answer]
		(i) (ii)	
	(b)	Mention any two elements of weather that supports plant growth.	
		(ii) Air pressure	
- 	(~)	(i) Humidity	
43.	(a)	(ii) Name the weather instrument used to measure;	
		(i)	
	(b)	Give any two uses of seeds to people.	
		(ii)	
		(i)	
1 2.	(a)	Mention two parts of the seed that store food.	

45. The table below shows some components of the environment in part **A** and their uses in part **B**.

Part A: Components	Part B: Uses
Sun	Source of charcoal.
Lake	Source of water.
Rain	Source of fish.
plants	Source of heat.

	Mat belo	ch correctly the components with their uses in the spaces provided w.
	(i)	Sun
	(ii)	Lake
	(iii)	Rain
	(iv)	Plants
16.	(a)	Mention any two materials that can be used to dispose wastes at home. (i)
		(ii)
	(b)	State any two dangers of poor disposal of wastes at home. (i)
		(ii)
17.	(a)	Give any two elements of a balanced diet.
		(i)
		(ii)
	(b)	State any two importance of having a balance diet.
		(i)
		(ii)

48. The picture below shows a method of harvesting crops. Study and use to answer the questions that follow.



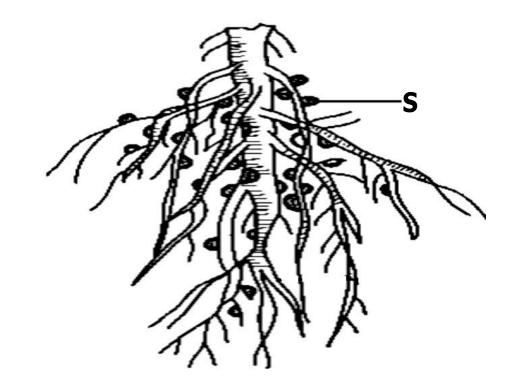
	(a)	Name the method of harvesting crops shown above.
	(b)	Write down any two crops harvested using the above method.
		(i)ii)
	(c)	Apart from the above method, give any one other method of harvesting crops in the garden.
49.	(a)	Name the body sense detected by the; i) Ear
	(b)	State any two ways of caring for the ear and the nose. (i) (ii) (ii)

50. The table below shows a list of insects. Study and use it to answer the questions that follow.

E	F
Wasp	Housefly
Honey bee	Grasshopper
White ant	Bedbug
termite	flea

	(a)	State any one characteristic common to all insects in the table above.
	(b)	Identify any one insect from the table which has no wings.
	(c)	Which list from the table above has insects that live and work together?
	(d)	Why would you place a cockroach in list F on the table above?
51.	(a)	Name any two parts on the human body that need to be kept clean (i)
		(ii)
	(b)	
	(b)	(ii)

52. The diagram below shows a type of root system. Study and use it to answer the questions that follow.



	(a)	Identify the type of root system shown above.
	(b)	Give any two plants that grow the type of root system above.
		(i)
	(c)	(ii)
	(C)	
53.	(a)	Write down any two components of a fertile soil.
		(i) (ii)
	(b)	Give any two ways in which a mother can make use of sand soil at home.
		(i)
		(ii)

54.	(a)	Name the component of the environment that;	
		(i) Can cause landslide	
		(ii) Can raise dust	
	(b)	State any two characteristics of air.	
		(i)	
		(ii)	
55.	The diagram below shows a domestic bird. Study and use it to answer the questions that follow.		
	(a)	Name any one product got from the domestic bird shown above.	
	(b)	How is the movement of the above bird different from that of a frog?	
	(c)	State any one way of caring for the domestic bird shown above.	
	(0)	State any one way or caring for the domestic bird showin above.	
	(d)	On the diagram above, label the beak.	

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