THE SIPRO PRE - PLE SET I 2023

INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

	Random No.		Per	Personal No.		
Index No.						
Candidate's Name:	- \.					
Candidate's Signature: _						
School Random No:	. *	A service		GASINI.		U) S
District:					Lill	

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- 1. This paper has two sections: A and B.
- 2. Section A has 40 questions (40 Marks).
- 3. Section B has 15 questions (60 Marks).
- Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
- All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
- Unnecessary alteration of work will lead to loss of marks.
- Any handwriting that cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the boxes indicated:

"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

Qn. No	MARKS	INITIALS
1-10		
11 - 20		
21 -30	payism a	DINUNE EI
31 -40	- Terreit	possevo
41 - 43		
44 - 46	ist viscoseon	N ob /sed
47 - 49		petro odia
50 - 52		68
53 - 55	small lac	
Total		- SAFERSE

Please turn over



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PUBLISHERS OF THE SIPRO TEACHERS' GUIDES, LEARNER'S WORKBOOKS & HOLIDAY ASSIGNMENTS

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

۷.	Why do the lungs expand when one breathes in?
	low are images formed in a plane mirror different from those formed in a pinhole camera?
-	
	he diagram below is of a structure of a non-flowering plant.
	Study and use it to answer questions 4 and 5.
	M
	Name the group of non-flowering plants with the structure labelled M .
-	
5.	Name the group of non-flowering plants with the structure labelled M. How is structure marked M useful to the above mentioned group of non-flowering plants?
	How is structure marked M useful to the above mentioned group of
	How is structure marked M useful to the above mentioned group of non-flowering plants?
	How is structure marked M useful to the above mentioned group of non-flowering plants? How best do livestock farmers ensure that the immunity of an inborn



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IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPIL'S COMPANIONS.



10.In which way	does soil erosion affect crop production?
I1.Name the inte meat.	stinal worm a person gets through eating undercooked
2.Mention any c	ne fungal skin disease caused by poor personal hygiene
3. State any one kwashiorkor i	way rearing poultry contributes to the control of n infants.
4.How does sla	shing of tall grass control snake bites in the community?
5.Mention any o	one living source of light energy in the environment.
16.Find the dens	sity of a stone whose mass is 48g and has a volume o
17.Why are we n	ot advised to use soap while brushing teeth?
	of the main garden.



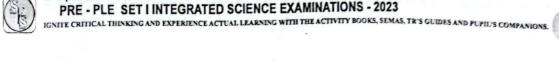
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	oes hanging of perches in a poultry house control egg eating poultry?
21.Name	the type of electricity where charges don't flow.
	the behaviour of the pupil in the eye when a person is in an are uch light.
The diag	ram below shows two plastic containers with water of the nperature. Study and use them to answer questions 23 and 24.
	P
23.ln wh	ch of the two plastic containers will the water cool first?
24.Give	a reason to support your answer in 23 above.
	the reason why a person standing in a swimming pool appears shorter than their real height.
-	can't one pick chalk dust using a magnet?



27.How is wind useful in increasing the population of plants in an	
29.In which way do maize plants prevent cross pollination?	
0.State any one economic importance of plants to farmers.	Warday
31.Name the type of bee with a well developed ovipositor.	
2.How is eating while talking dangerous to the respiratory system	m?
33.Which activity in the cleaning of clothes prevents colour stains coloured clothes?	in light
4.How is regular dipping of cattle useful in the control of anaplas	mosis?
55.How is the role of mercury different from that of alcohol in a six thermometer?	d's
36.Give one way a domestic fowl benefits from its spur.	
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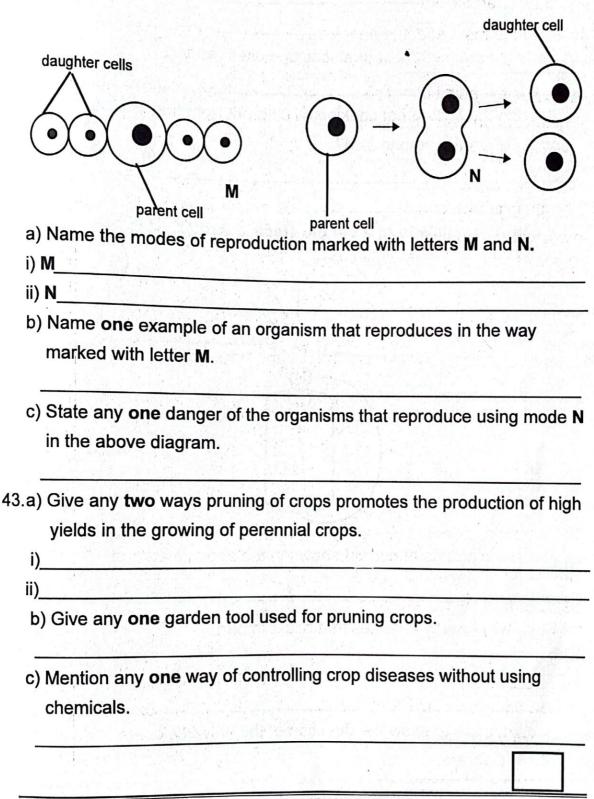
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The diagram below is of a bird's beak. Study and use it to answer questions 37 and 38.



37. Name the kind of food eaten by the bird with such a beak.	
38. To which group of birds does the bird with such a beak belo	ng?
39. How does smoking prevent a fish from going bad?	
40.How is trichomoniasis similar to gonorrhoea in the way they among people?	are spread
SECTION B: 60 MARKS Questions 41 to 55 carry four marks each.	
41.a) Which class of food performs the following roles in the boi) building the body.	dy?
ii) protecting the body against diseases	
b) State any one disaster that causes poor feeding among family.	people in a
c) Mention any one measure taken to control poor feeding i	n a home.
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42.The diagram below is of modes of reproduction in single celled organisms. Study and use it to answer the questions that follow.





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4.a) State	e the method of heat transfer which helps a person to;
i) iron	clothes
ii) light	a charcoal stove
b) State	e the main effect of heat loss on water vapour.
	is the effect of hot cooking oil different from that of a hot piece of coal on the human skin?
	agram below is of a simple electric circuit. Study and use it
	. I
	* + * * * * * * * * * * * * * * * * * *
a) Nan	ne the source of current shown in the above diagram.
b) Stat	e two energy changes that occur in part K.
i)	
ii)	
	an arrow to show the direction of the flow of electrons in the
,	ve diagram.



ii)	
b) State any two e	ffects of worm infestation in infants.
ii)	The second secon
7.a) State one dang	er of the following forms of drug misuse on the humar
body;	
i) overdose	
	ons why people should not buy drugs from local shops
48.a) Why should a	weather station have a Stevenson screen?
b) How is a Steve	enson screen adapted to reflecting most heat and
proper air circ	ulation?
i) reflecting most	t heat?
ii) proper air circ	culation?
c) How is weath	er forecasting useful to a crop farmer?
49.a) Name two ex	cretory organs that eliminate excess water from the
body.	in the second of colorations are applied to the second second second second second second second second second
1 T	
i)	



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D

0.a) State the importance of the following items to a perso	n hathing:
N Is all the second of the sec	n patring,
i) bathing sponge	-74
ii) soap	ch and energ
	body
b)Give any two other activities carried out to promote per	
where water is not used.	
i)	SECURIO (CS
ii)	
-	the same
ii)	CARL SECOND
1.The diagram below is of two living things that live in environment. Study and use it to answer the questions	that follow.
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1. The diagram below is of two living things that live in environment. Study and use it to answer the questions	that follow. Size all wold in the regord (leave all wold (south a wold (south a wold (body.





Apption -	
Mention any two examples of natu	ural changes in the environment.
	and the second s
	DE CHIEF TO THE
Give two ways of managing flood	s in a given area.
	- Journa photo with
and the same of th	Advances was seen as to see the second of th
Tippert to constrou m! E	
e diagrams below are of two gro	oups of simple machines. Stud
l use them to answer the question	is that follow.
The latest the second of the s	warfan sanar sanasan sana nasa da maranda en 1811 menda en 1814 m.
A Continuous enois	
(U) 6m	
1	6m
–	
M	N ,
그 그 그리트라이 아니 집 집 집에 가게 되었다. 그리고 있었다고 있다는 이 모든 사람들은 점심을 했다.	
M dentify the type of simple machine and M .	
dentify the type of simple machine and M .	es represented in the diagrams L
dentify the type of simple machine and M .	es represented in the diagrams L
dentify the type of simple machine and M. L	es represented in the diagrams L
dentify the type of simple machine and M . L	es represented in the diagrams L
dentify the type of simple machine and M. L	es represented in the diagrams L
entify the type of simple machine and M. I I Ihich of the two simple machines	es represented in the diagrams L s would you use to raise the load

	Mention any two artificial	vegetative propagation methods.
ii)		
/		es of vegetative propagation methods.
ii) _		
55.In t	the table below, part A si	hows parts of the reproductive system.
Pa	art B shows the importan	ce of the parts in the process of
rep	production in their wrong	order.
	A: Parts	B: Importance of the parts
	i) testes	produce ova.
	ii) ovaries	produce sperms.
	iii) oviduct	stores manufactured sperms.
	iv) epididymis	It's where fertilisation takes place.
space	t from the table the corre e provided below. stes	ct importance of the parts and write them in
ii) ov	aries	
iii) ovi	iduct	
iv) on	ididymis	
IV) CP		
iv) ep		
iv) c p		
iv) ep		
iv) ep		

