THE SIPRO PRE-MOCK EXAMINATIONS 2023

INTEGRATED SCIENCE

				Time	Allow	ed: 2	Hours 1:	5 Minut
	Random No.				Personal No.			
Index No.								
Candidate's Nan	ne:							
Candidate's Sign	nature:							
School Random	No							
District ID:								

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- This paper has two sections: A and B.
- 2. Section A has 40 question (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.
- 5. All answers must be writter in blue or black ball point pens or ink. ← [] diagrams and graph work must be done in pencil.
- 6. 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

PAGES	MARKS	INITIALS
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Page 9		
Total		

Please turn over



THE SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA

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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1.	Name the part of a flowering plant that stores seeds.
2.	State any one factor to be considered when selecting a site for building a house.
3.	How are carbohydrates important in the human body?
4.	Give any one way conduction can be important at home.
5.	Name the goat management practice carried out using a burdizzo.
6.	State any one way in which cholera can be controlled among school children.
	The diagram below shows a beam of light. Study and use it to answer question 7.
7.	Name the type of beam shown in the diagram above.
	Give any one role of a School Health Committee in the promotion of Primary Health Care in a school.
	Name the force of attraction that exists between molecules of different substances.
10	. State one effect of scurvy to the oral health of a person.
11.	Write any one danger of alcohol consumption to a family.





12	How does untreated Gonorrhoea cause barrenness in women?
13.	What should be done by engineers constructing a railway line to manage the effects of expansion on hot days?
14.	Why is coffee grouped under perennial crops?
15	State any one way preserving food promotes food security at home
16	Name the vector which spreads bilharziasis to people
17	Poultry rearing. Use it to answer questions 17 and 18 Name the management practice shown in the diagram above
18	How is the above practice important to a poultry farmer?
19	Which type of weather is good for planting crops?
20	Give one way in which community members can reduce accidents on their roads
21.	Name the human body organ which regulates blood sugar levels.



2.1	Give any one way the light produced by a bulb in a simple electric circuit can be increased.
23.	State any one way in which adolescents can avoid catching HIV/AIDS.
	Give one importance of corting clothes before washing them.
	How does slashing of tall grass in the compound control the spread of malaria?
26.	How are muscles connected to bones in the human skeleton?
	The diagram below is of a vertebrate. Study and use it to answer questions 27 and 28.
	JOHN DO
27.	To which class of veriebrates does the animal above belong?
28.	How are the eggs of the animal above fertilised?
29.	In which state of matter does sound travel fastest?
30.	Give the reason why ventilators are put on a higher level than windows.
31.	Mention any one way human eyes can be kept in a good working condition.
32.	Give one way beans and conifers are similar in terms of reproduction.
3 3 .	State one way of keeping an ordinary pit latrine free from houseflies and cockroaches.

Which characteristic of living things protects internal body organs from damage by poisonous waste materials?
Write one activity that a Primary Seven candidate can do to conserve the environment.
How does a luse protect electric devices from being damaged by high voltage?
State one way oxygen is important during seed germination.
How does hookworm infestation lead to anaemia in human beings?
In which way does the keeping of drugs out of children's reach prevent child poisoning?
Name the natural shadow formed when the moon blocks sunlight reaching the earth.
SECTION B: 60 MARKS
Questions 41 to 55 carry four marks each
(a) Give an example of each of the following changes;
(i) chemical change
ii) physical change
iii) biolog:cai change
(b) Mention one characteristic of chemical changes
(a) Give the meaning of the term an energy resource
(b) Name one energy resource that provides wastes for making biogas fuel



(c) Name the equipment people use in the making of biogas.
(d) State any one way people use biogas.
43(a) Mention any two examples of viral cattle diseases. (i)
(ii)
(b) Apart from death of the animal, state two other effects of cattle diseases on cattle farm.
(i)
44(a) How are fungi similar to bacteria in the way they feed?
(b) Name any two examples of useful fungi. (i)
(ii)
(c) Give any one way in which bacteria are useful to people.
45. The diagram below is of a human heart. Use it to answer the questions that
follow
E D
(a) Name parts labelled E and C.
(i) E
(ii) C



(b)	How is blood carried in blood vessel A similar to the blood carried by blood vessel D ?
(c)	Why is the left ventrical wall of the heart thicker than that of the right ventrical one?
(i)	Give any two advantages of using electricity for doing work.
(b) (i)	State two ways the use of hydroelectricity can be dangerous to people.
C	The diagram below shows an item made from soil. Use it to answer the questions that follow. (a) Identify the type of soil used to make the item shown in the diagram above.
,) Name the characteristic of the type of soil you have named in (a) above which makes it suitable for making such items.
(c	Apart from covering, give one other way of preventing contamination of water kept in the item above.
(d) State any one way people care for the above drawn item.



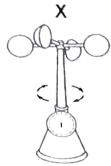


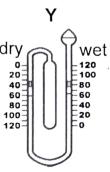
The table below shows terms used in human reproduction in X and meaning in Y. Match them correctly. X		
The table below shows terms used in human reproduction in X and meaning in Y. Match them correctly. X		
X		
X Y ovulation union of male and female gametes. fertilisation release of mature ova from the ovaries. implantation successful fertilisation conception attachment of the zygote on the walls of the uterus. ovulation		,
ovulation union of male and female gametes. fertilisation release of mature ova from the ovaries. implantation successful fertilisation conception attachment of the zygote on the walls of the uterus. ovulation ovulation implantation ovulation ovulation ovulation implantation ovulation ovulation implantation ovulation ovulati		,
fertilisation release of mature ova from the ovaries. implantation successful fertilisation conception attachment of the zygote on the walls of the uterus. ovulation i) fertilisation i) implantation v) conception (a) Give any two ways plants benefit from the process of seed dispersal. (i)	Х	Υ
implantation successful fertilisation conception attachment of the zygote on the walls of the uterus. ovulation fertilisation i) implantation conception (a) Give any two ways plants benefit from the process of seed dispersal. (i)	ovulation	union of male and female gametes.
conception attachment of the zygote on the walls of the uterus. ovulation	fertilisation	release of mature ova from the ovaries.
ovulation	implantation	successful fertilisation
ovulation	conception	attachment of the zygote on the walls of the
i) fertilisationi) implantationi) conception(a) Give any two ways plants benefit from the process of seed dispersal. (i)		uterus.
i) fertilisationi) implantation ii) conception (a) Give any two ways plants benefit from the process of seed dispersal. (i)	ulation	
i) implantation		
(a) Give any two ways plants benefit from the process of seed dispersal. (i)		
(a) Give any two ways plants benefit from the process of seed dispersal. (i)		
(i)		
	Give any two way	s plants benefit from the process of seed dispersal.
(ii)		
	How is a blackjack	
(b) How is a blackjack fruit adapted to animal dispersal?		





answer the questions that follow.





(a) Identify the weather instruments labelled with letters X and Y. (i) **X** _____ (ii) **Y** _____ (b) State the role of instrument **X** at a weather station. (c) How does one care for instrument Y after use at a weather station? 52(a) Write any two ways friction is a nuisance force. (i) (ii) (b) State two steps taken to reduce friction in moving parts of a machine. (i) (ii) 53(a) Name the crop growing practice where a farmer grows different types of crops on the same piece of land in the same season. (b) Give any two advantages of the practice mentioned in (a) above. (c) Write any one problem that affects crop growing in the garden.





(b) Wertion any to	wo groups of people that use echoes during their work.
(i)	
(ii)	
	tting of soft porous boards in cinemas help to control echoes?
(a) You are provid	
	s cup and a paper.
Arrange them air pressure o	in a diagram to show that air exerts pressure. (Indicate the n your diagram) - 2 marks.

