NATIONAL PRIVATE EDUCATIONAL INSTITUTIONS ASSOCIATION (NPEIA)

MOCKS MASTER SET I 2023

INTERGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

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D	o not open thi Read the	s BOOKLET UN	*	_) \$0	FOR	EX	AMINER'S	SUSE
1.	This paper ha questions and				n A ha	s 40 an yalli	QN. N	10.	MARK	EXR'S No.
2.	Answer ALL B must be wr				ctions	A and	1-10 11-20	12.14		
3.	All working n	rking must be done using a blue or black ball point ink. Any working done in pencil other than graphs,				21-30)	e speli	Ü	
	-	and diagrams will not be marked. ulators are allowed in the examination room.					41-43		4 V , ,	RK EXR'S
4. 5.		s are allowed changes of wo		nd spris			44-46	100	i and	
6.	Any hand wri	ting that cann					50-52		ta land	
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paper

. Give any one example of a sea mammal.		odustry.	
Name the product got from sheep that is use	ed in textile ii	Idustry	
State the property of matter that is caused by	y heat.		
Name one example of a metal that has high	degree of ma	gnetism.	
In which way is part P similar to Q in terms			6 11.
) # 55 · .
	- p		tr mingral
	P		
		in the second	
. Give any one way in which a married coupl	le can preven	t re-infection of	syphilis.
. How is a single fixed pulley used in a school	ol?	, , , , , , , , , , , , , , , , , , , ,	
. Name the body organ which helps a cook to	know if sou	n is cold or bot	
. Give any one advantage of transpiration to		p is cold of flot.	
0. How does a watermelon farmer preserve it	t after harvest	ting?	
1. How is ventilation important in a living ho	ouse?		
2. In which one way is the use of energy savi	ing stoves frie	endly to the	
3 In the space provided below draw a con-		to the env	ronment?
3. In the space provided below draw a sees	saw and labe	d the fulcrum.	
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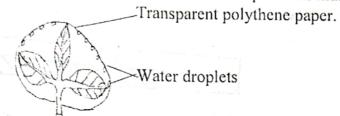
14. Which body condition makes a baby to have sunken fontanelle?
15. Why is it not advisable to drink distilled water?
16. What important role is played by water during seed germination?
17. How does soil erosion lead to soil infertility?
18. Why is it not encouraged to use a flush toilet when there is lack of water?
19. Name the cattle disease that causes salivation.
20. In which one way is the left ventricle of the heart important in circulatory system.
21. Why is self-medication discouraged?
22. How do plants help in rain formation?
Use the diagram drawn below to answer questions 23 and 24.
Opaque object
23. Draw the shadow of the above opaque object against it.24. What happens when light falls on an opaque object?
25. How is methylated spirit important in giving first aid?
26. Give the similarity between biological change and chemical change.
27. Which process in plants enable manufactured food from the leaves to reach every part of the plant?
28. Which structures in earthworms help them to breathe?
Use the diagram below to answer question that follow.
To the second se



30. Besides, brushing eeth.	the teeth give any one other way a P.7 pupil can take care of his / her
31. State one way of i	ncreasing friction on a bicycle tyre.
32. Give the importar	ce of penicillium moulds to people.
33. Apart from filteri	ng blood, mention one other function of kidneys in the body.
34. State the way of r	eproducing sound stored in solfas.
35. Why do the peop	e treating COVID -19 victims put on face masks and gloves?
The diagram below	is a structure of an egg use it to answer questions 36 and 37.
	by between part E and the lungs in human beings. why an egg may fail to hatch under favorable conditions.
38. How does mulch	ing prevent water loss from the soil?
39. State the differen	ce between tendon and ligament in terms of their function.
40. Name any one di	sease that affects the liver due to excessive consumption of alcohol.
	SECTION B (60 marks)
41a) Name any one	farming method which helps to improve soil fertility.
b) Mention the type	of soil which is the best for making ceramics.
c) State any two cau	ses of soil crosion.
i)	ii)



The illustration below is of a plant process, Use it to answer questions that follow.



a) Name the plant process show	vn above.
b) Give one importance of the	above process to the environment.
c) State any two ways plants ca	n reduce the above process
)	tom bnaque evedu bemen eved mee him
i)	tora basquo sveda bernan ovad ung lating
(13a) Apart from noise, write do	own any other two causes of swarming in bees.
	interest toward tond and and
b) Why are bee farmers advised	d to put on bee veil when harvesting honey?
c) Give any one disadvantage of	of a traditional bee hive.
44. Match the following body	
A	to a quissible nagaist to the second
a) kidney	hepatic vein
b) liver	renal vein
c) Lungs	vena cava
d) Heart	pulmonary vein
a) Kidney	c.Urs.
b) liver	
c) lungs	
d) heart	
45a) Give any two advantages	of artificial insemination.
45a) Give any two day	ii)
i)	
b) How can a farmer increase t	the milk production on his / her farm?
c) Name the breed of dairy can	tle which is the best in milk production.
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46. The diagram below shows one of the effects of heat on metals. Use it to answer the questions that follow.
Before heating ///////////////////////////////////
After heating
a) Which metal expanded more?
b) Why did the metal you have named above expand more, yet they were heated at the same time?
c) By what process does heat travel through;
i) solids
ii) Gases
47a) Give two ways people misuse drugs.
i) ii)
b) State two dangers of buying drugs from market places.
i)
ii)
48a) What is friction?
b) Write down any one advantage of friction to a P.7 candidate.
c) State any two ways of reducing friction in moving parts of a machine.
ei) i - Correctes de la salvante de la companya de
ii)
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andre de la companya de la companya La companya de la co



49. Use the diagram below to answer questions that follow. **Animals** Vertebrates W worms Χ sponges a) Name animals labeled with letters shown above. i) **X**_______ ii) **W**_____ b) Identify one characteristic common in animals labeled W. c) Why do animals move? 50a) What is a tide? b) Give two ways how animals provide useful energy to people. c) How is biogas helpful to the environment? 51. Study the diagram below and answer questions that follow. a) Name the beam of light marked Nb) Why does a red shirt appears red when you look at it? NATIONAL PRIVATE EDUCATIONAL INSTITUTIONS ASSOCIATION - UGANDA < npein >> G751455918, 07047259 MASTER SET I INTEGRATED SCIENCE 2023 Page 7

State two properties of light.	
ii)	
3a) What is poultry keeping?	-
) Mention one example of poultry.	
How do feathers help to keep the birds warm?	
) Name the method of keeping poultry commonly practiced in rural areas.	
4a) Name any two respiratory gases.	
ii)	
) How are lungs similar to the skin in terms of excretion?	
) Identify one nitrogenous compound removed from the body by the kidneys.	**
) Give one way of keeping the skin free from infection.	
5a) What is skeleton?	•4
) Name two bones that make up hinge joint at the elbow.	
) How are bones related to circulatory system?	
) Give one way of keeping muscular and skeletal system in a good working condition	

