

UGANDA NATIONAL EXAMINATIONS BOARD

PRIMARY LEAVING EXAMINATION

2023

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.					Perso	nal No.

Candidate's Name	i	60 6 10	vilad ar	1. parsen	00se of o	the pur	State
Candidate's Signa	ture:						
District ID No.	III water.	evil o	elds on				

Read the following instructions carefully:

- Do not write your school or district name anywhere on this paper.
- This paper has two sections: A and B.
 Section A has 40 questions and section B has 15 questions. The paper has 15 printed pages altogether.
- Answer all questions. All answers to both sections A and B must be written in the spaces provided.
- All answers must be written using a blue or black ball point pen or ink. Any answer or work written in pencil other than drawings will not be marked.
- Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
- Do not fill anything in the table indicated: "FOR EXAMINERS' USE ONLY" and boxes inside the question paper.

FO	R EXAMINER USE ONLY	RS'
QN. NO.	MARKS	EXR'S NO.
1 - 10	in an L	
11 - 20		
21 - 30		
31 - 40	作 TEA	
41 - 43		
44 - 46	ก็ลก อะไป ให	terit in
47 - 49	ene vas no	meM
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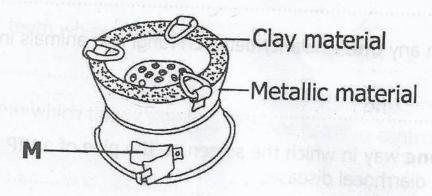
SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1.	Name the type of teeth which develops last in human beings.
2.	Give any one way in which timely weeding of crops helps to control crop diseases.
3.	Give one element of weather which helps plants to make their own food.
4.	State the purpose of pressing the belly of a casualty of near drowning.
5	Give any one reason why fish are able to live in water.
	diagram below shows a structure in a cattle farm. Study and use it to wer questions 6 and 7.
6.	Mention any one farm activity carried out in the above structure.
7.	How is the above structure useful when carrying out the farm activity you have mentioned above?
	COXCS INSING UNG MUNICIPAL SABEL

8.	Name the excretory organ that removes water and carbon dioxide from the human body.
	And the second s
9.	Mention any one similarity between fungi and animals in the way they feed.
10.	State one way in which the screen on the pipe of a VIP latrine helps to control diarrhoeal diseases.
	functioning of the registrary system. At undertaking and to report the system.
11.	State any one piece of advice you can give to children to help them prevent indigestion.
	adrack constant is flowers.
12.	State any one way in which you can safeguard yourself against smoking.
13.	Give the reason why most cooking pans are made of aluminium.
	of environment
14.	State one reason why the use of soap makes washing clothes easy.
	2. State the effect of posque objects on a beam of hohr
15.	Apart from deforestation, mention any one other human activity that can result into flooding in our environment.
16.	Mention any one sign of roundworm infestation in humans.

The diagram below shows a metallic charcoal stove. Study and use it to answer questions **17** and **18**.



17.	Give the function of the part labelled M.
18.	State one advantage of building the inner wall of the charcoal stove with clay.
19.	State any one disadvantage of people living with domestic animals in the same house.
20.	Give one way in which the use of biogas is helpful in the conservation of environment.
	14. State one reason why the use of soad instees washing chands easy.
21.	State the effect of opaque objects on a beam of light.
22.	Anart from making and the
	Apart from making candles, mention any one other way in which bees-wax is useful to people.
	to the contract of contract of the contract of

23.	stuffs like sweet potatoes.
	160
24.	Name any one force which a pulley overcomes when it is being used.
25.	State one way in which a mask is important in maintaining the proper functioning of the respiratory system.
	33. State any one change indend which arrays that lood has gone bad.
26.	Apart from having bright colours, state any one other thing that attracts pollinators to flowers.
27.	State any one way of caring for simple garden tools.
28.	State one way in which the Child Health Card is important to a parent.
29.	State any one factor that affects the pitch of sound produced by an object.
30.	Name any one body part that may be checked during a school health parade.
	Les Mime any one part of the human cady where a gliding joint is found

31.	State any one way in which screws can be important in our daily life.
32.	Apart from being a source of food, give the reason why farmers hang green vegetables in poultry houses.
	25. State one way in which a mask is important in maintaining me prop
33.	State any one change in food which shows that food has gone bad.
34.	State what would be observed when a plastic pen rubbed in hair is brought close to small pieces of paper.
	diagram below represents a simple electric circuit. Study and use it to ver questions 35 to 36.
	——————————————————————————————————————
	Connecting
	+ wire
	RE VOLUMENT AND A SERVICE AND
35.	Give the function of P in the circuit.
36.	Why would the bulb not light when a piece of glass is used to close K ?
37.	Name any one part of the human body where a gliding joint is found.

38.	State a	ny one reason wl			tant in agrofore	estry.
		marks each	AM UG. 15 MC		<i>a</i> n	
		13500				
39.		lown any one acti a school water so		ool Environm	ent Club can d	o to
					(II)	
		feert set metern	alaosa milay		(b) Identify	
40.		ne reason why a d by many other o		ng from HIV/A	AIDS is easily	
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				e e e e e e e e e e e e e e e e e e e	olodiois or onti.	SA
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					Date	
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		Amble es **********************************				
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				10 1 4		

SECTION B: 60 MARKS

Questions **41** to **55** carry four marks each.

	State a	ny two effec	ts of rusting or	iron sheets.					
	(i)	ATTROUVES TO	2112C 6 25111 V	TE SEC VIL INOU	anny ec				
	(ii)			od ni					
(b)	Identify rusting			protect iron sheets					
	(i)	40. State one rescon viry a parson sufficient from HIV ALDS is earliested							
	(ii)								
	ite	Health problem	Animal(s) affected	Treatment/ control method	Cost of treatment				
01,	/8/2023	Mastitis	Goats No. 4 and No. 8	Antibiotics	17,000/=				
	/10/2023	Worm infestation	Kids (06)	Dewormers	25,000/=				
		Anthrax	All goats	Vaccination	E0 000/-				
03	/11/2023	Andriax	All godis	Vaccination	50,000/=				
(a) (b)	Name to	he farm record rom Anthrax, ed by the me	rd above. mention any o	one other disease w	hich is				
(a)	Apart fr controll Give an	he farm reconnection and the farm reconnection and the meaning two reasoners.	mention any on the thod used on the thousand	one other disease with 03/11/2023. The other disease with the other	hich is				
(a) (b)	Name to the controll Give an	he farm reconnection on Anthrax, ed by the means of two reasoners.	rd above. mention any o	one other disease with 03/11/2023. The other disease with the other	hich is				

(b)	St	ate any c	one danger (
(c) people) Ex		w deforestati	ion cause	s soil ero	sion.	(02 mark
	ick in	for the s	91 E3 (183 U0	n which y	i syew o	ite any tw	512 D)
tha	t are estion	used in p s that fol	low show partion.	Study ar	nd use th	em to ans	swer the
tha	t are estion	used in positions that follows:	oropagation. llow.	Study ar	nd use th	em to ans	swer the

(c) In which one way is the function of part X of the cassava plant

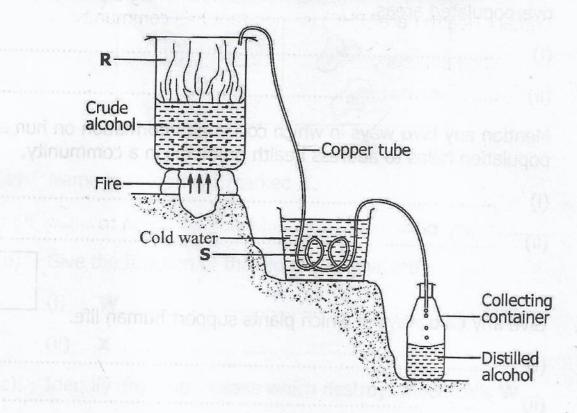
similar to that of part Y of the Irish potato?

	(d)	Give the importance of the tuber in the propagation of the Irish potato.
		······································
45	(a)	What is meant by the term vulnerable group of people?
	(b)	Apart from the sick, name one other group of vulnerable people in a community.
	(c)	State any two ways in which you can care for the sick in your community.
		(i) no
		(ii)
46.	follo	es wanted to find the volume of an irregular object. He had the wing materials for the experiment; an irregular object, thread, flow can and water.
	(a)	Name one material Moses forgot to include on the list of his materials.
	(b)	What is the use of the thread in the experiment?
	(c)	Describe how Moses will get the volume of the irregular object in this experiment. (02 marks)
		a H > Veges to sellon A -+ i and dalde d. (2)
		You was to the Young to the Hall set to the Hall of hellows
		- O SVie

17.	(a)	Identify any one body change in girls during adolescence.
		Alle Common and a substance of the Common and the C
	(b)	State any two ways in which school boys can help to prevent teenage pregnancies.
		(i)
		(ii)
	(c)	State any one way of caring for the reproductive system in humans.
18.		diagrams below are of a foot and a beak of a bird. Study and use to answer the questions that follow.
		Foot
	(a)	Identify the group of birds with the type of foot and beak shown.
	(b)	How do the parts of the bird shown above help it live well in its environment?
		(i) Foot:
		(ii) Beak:
	(c)	Give any one example of a domestic bird with such type of beak and foot.

49.	(a)	Give any one way in which each of the following elements of Primary Health Care (PHC) is important in a community.				
		(i) Food and nutrition:				
		teenage pregnancies.				
		(ii) Maternal and child health:				
		(11)				
	(b)	Identify any two ways of giving health education to a community.				
		(i)				
		(ii)				
		rem to answer the questions that follow.				
50.	(a)	Apart from planting crops in rows, give another method of planting crops.				
	(b)	Give any two advantages of planting maize in rows.				
		(i)				
		(ii)				
	(c)	State any one way in which the use of chemicals on a farm can be dangerous to a crop farmer.				
		cy				
		(f) Beak				
		(c) Give any one examine of a domestic ping with such type and foot.				

51. The diagram below shows the distillation method of making alcohol. Study and use it to answer the questions that follow.



(a)	Identify	the	physical	changes	taking	place;
	<i>(</i> .)					

(1)	at part ma	rked R		
	VWO1		1.019	
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

(ii) in part **S**.

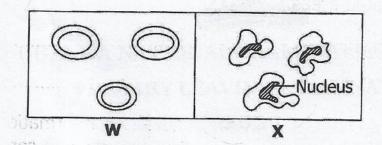
(b)	Give one reason w	why the container	with	crude alco	ohol shou	ld be
	properly sealed.					

 	 	 •	

(c) Give the function of the copper tube in the method shown above.

52.	(d)	overpopulated areas.
		(i)
		(ii)
	(b)	Mention any two ways in which collecting information on human population helps to address health problems in a community.
		(i)
		(ii)
53.	(a)	Give any two ways in which plants support human life.
		(i) ************************************
		(ii)
	(b)	Mention any two ways in which humans can conserve plant life.
		(a) Identar the physical changes to an place. (i)
		(ii)
54.	(a)	Identify any two characteristics of the female anopheles mosquito that makes it a good vector for malaria.
		(i)
		(ii)
	(b)	How do the following methods help in controlling the spread of malaria?
		(i) Pouring oil on stagnant water.
		(c) Give merunction of the copper tube in the condition
		(ii) Sleeping under a mosquito net.

55. The diagrams below show the structure of different blood cells in the human body. Study and use them to answer the questions that follow.



(b)	Give the function of the blood cells marked:					
	(i)	W				
	(ii)	X				
(c)	Iden	tify any one disease which destroys blood cells W.				