

THE REPUBLIC OF UGANDA

LYANTONDE DISTRICT ACADEMIC BOARD MOCK 2024

INTEGRATED SCIENCE

	Tiı	ne a	allowed:	2	hou	ırs	15 r	ninut	tes		
Index	No.	:	School El	MIS			Pers	onal	No.]	
Candic	late's Name	:									
Candid	late's Signatı	ıre :	:								
School	Name	:									
Distric	t Name	:									
	e following instr	uctio	ns carefully:					FOI		AMINER'S	S USE
	_		-	.				Qn.	No	MARK	SIGN
	paper has two							1 – 1	10		
	ion A has 40 qu		•	,				11 –	20		
	ion B has 15 qu		•	,	ماد			21 –	30		
	wer ALL question							31 _	40		
Sect	Sections A and B must be written in the spaces provided.										
5. All a	nswers must be	e writ	tten using a	blue c	r blac	ck ba	all	41-	43		
poin	t pen or ink. D	iagra	ıms should b	e drav	vn in	pend	cil.	44 –	46		
6. Unn	ecessary crossir	ng of	work may le	ead to	loss	of m	arks.	47 –	49		
7. Any	handwriting tha	at ca	nnot be easil	y read	d may	/ lead	d to	50 –	52		

TOTAL

loss of marks.

For Examiner's use only.

8. Do **not** fill anything in the boxes indicated;

SECTION A: 40 MARKS

Questions **1** to **40** carry one mark each

1.	Which property of sound forms an echo?
2.	How do some people become passive smokers?
3.	Why is the squat hole of a Ventilated Improved Pit latrine left without a cover?
4.	Give the meaning of drug abuse.
5.	How does a snail protect itself from enemies?
	The diagram below shows a flowering plant. Use to answer questions 6 and 7
	x soil Y
6.	Apart from making food, mention one other process that takes place in part X .
7.	State any one function of part Y to the plant.
8.	Give any one reason why plants are grouped under living things.

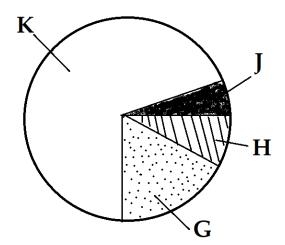
9. State one rat.	way in which the breathing of a housefly is different from that of a
10. Why is a	wet warm cloth put on a body of a person with fever?
11. State the	cause of kwashiorkor among children.
12. Suggest	one way of demagnetising a magnet.
13. Apart fro	m helping enzymes to function well, give one other importance of
hydrochlo	ric acid.
14. How are	tall buildings protected against danger due to lightning?
question	ram below shows a pulley system. Use it to answer is 15 and 16. Effort 600N Description:
	at the mechanical advantage of the pulley above is 2. Calculate the d to lift the load using the above machine.
	the double silvered walls in a thermos flask help prevent heat from through the vacuum?

18. How are insect pollinators attracted to flowers at night?	
19. In which way are chemical changes similar to biological changes?	
The diagram below shows a foetus in the womb. Use it to answer questio 20 and 21.	ns
20. Name the part marked with letter A .	
21. State any one way in which the part marked with letter B is useful to the foetus.	3
22. State any one disadvantage of using traditional drugs.	
23. Give any one body characteristic that is common to a spider and a tick.	
24. Name one disease that affects the stomach because of alcoholism.	
25. Which blood cells carry oxygen in the body?	
26. Name any one other vertebrate that can be classified with a frog.	
27. Give the importance of sorting in cleaning clothes at home.	
28. How is chlorophyll important during the process of photosynthesis?	

29. What is near drowning?
30. Suggest one reason why blood goes to the lungs first before it circulates to all the parts of the body.
31. Mention one cause of leaching.
32. Which method of making alcohol involves both evaporation and condensation?
33. State any one way in which bacteria are useful to people.
34. Name the instrument used for measuring the highest and lowest temperatures of the day.
35. Why is it important for a patient to use all drugs prescribed by the doctors?
36. State the difference between the pulmonary artery and the rest of the other arteries
The diagram below shows a succulent fruit. Use it to answer questions 37 and 38 .
37. By what method can the above fruit be dispersed?

	entioned in question 37 a	above is adapted to the method of dispersal
	Apart from adding fertilize	ers, state any one other way nitrogen is added into
	State the importance of w	ater that is found in the toilet bowl.
	5	SECTION B: 60 MARKS
41.	-	deficiency diseases and their signs but in wrong matching correctly.
	A: Deficiency disease	B: Sign
	a) Kwashiorkorb) Scurvyc) Ricketsd) Anaemia	 Pale skin Swollen moon face Always hungry Bleeding gums in the mouth Weak and bow shaped bones.
b) c)	Scurvy	ocesses by which soil is formed. ming methods that are destructive to the soil.

43. The pie chart below shows proportions of **G**, **H**, **J** and **K** that represent the composition of air. Study it carefully and answer the questions that follow.



(a)	Name the gas represented by K .	
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(b)	State the percentage of the gas represented by J in the atmosphere

(c)	Which proportion represents the gas used in fire extinguishers?

(u)	State any one function of the gas represented by G .	

44. The table below shows different groups of animals. Study it carefully and answer the questions that follow.

K	X	F
Duck	Bat	Frog
Eagle	Sheep	Salamander
Ostrich	Rabbit	Newt

a) Give one general	I name for anima	ils in group F .	

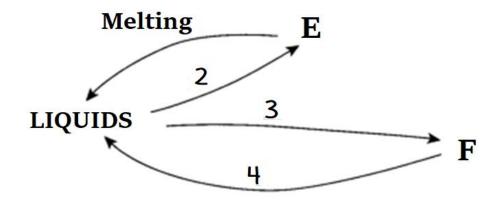
b)	How	are	animals	in	group	K	similar	to	those	in	group 2	X ?	

.....

c) Why is a bat regarded as a mammal and not a bird?
d) State one characteristic of animals in group X that is not in other groups.
45. The diagram bellows shows a certain body system. Use it to answer the questions that follow. Fats
a) Name the parts marked:
i) W
ii) R
b) State one function of the part labelled T .
c) Mention any one waste product excreted by the kidney.
46. (a) State the type of germination where cotyledons come out of the ground.

	(b) State the function of water during germination of seeds.
	(c) Name any one crop that undergoes the type of germination mentioned in (a) above.
	(d) State the reason why cotyledons turn green after germination in the crop mentioned in (c) above.
47	7. (a) State the use of each of the following tissues within the human body. i) tendon
	ii) ligament
	(b) How is the synovial fluid similar to cartilage in terms of functions at a joint?
	(c) State one way in which joints are important in the human body.

48. The diagram below represents the physical processes **2**, **3** and **4** that are involved in change of states of matter. Study it carefully and answer the questions that follow.



(a)	Identify the state of matter marked F .

(t))	Name the processes 3 and 4 .
(0	:)	4
19.	(a) What substance in plants helps them to make their own food?
a) \ b) (c) ((b) How is the feeding in ferns different from that of mushrooms?
	m) Apart from ferns, give any two other plants which are similar to ushrooms in their way of reproduction.
50.	(i Tł	i)ne diagram below shows a musical instrument. Use it to answer ne following questions X Y
a)) W	hich of the pipes X and Y will produce the lower sound?
b)) Gi	ve a reason for your answer in (a) above.
c)	 Gi	ve one factor which affects pitch produced by the instrument above.
d)	 W	hy are the pipes in the instrument above made having different heights?

1.	. ,		on wny drugs sr oisture and sun	•	;	
	(ii)	out of reach				
(b) State	e any two w	ays in which pe	ople in a fam	ily can misuse drug	 JS.
	(i)					
52.			effects of cann		ultry.	
i	j)					
i	i)					
	(b) Stat	e any two w	ays cannibalisn	n can be cont	rolled on a poultry	farm.
i)					
į	i)					
53.	The d	liagrams belo	ow represent tw	o levers E an	nd F with different p	ositions of
	load,	effort and fu	lcrum.			
	1	•	•		•	•
	Fulcrum	Effort —	Load	Load	Fulcrum	Effort
		E			F	
а) Which	n class of lev	ers is represent	ed by diagrar	m F ?	
b) Give a	any two exa	mples of simple	machines re	presented in E .	
	i)					
	ii)					
	,					
C	-		age of using the			

•	•	•	•	following com	ponents of ORS	when
	sing one liti	e of safe	water;			
i)	Salt					
ii)	Sugar					
(b)) Why shou	ld water ι	ised for preparir	ng ORS be boile	ed?	
(c)	Apart from	oRS, ho	w else can a del	nydration victin	n be helped?	
55.			shape of letter E of a mirror as sh		1, 2 and 3 writtegram below.	en on it
	Object			Images		
	card	2	mirror	2 3	2 3	
a)		ne images	B and C correct	B tly represents	the image as see	en in the
b)	State any t above.		vable character		age in mentioned	d in (a)
	ii)					
c)	Mention an	y one eff	ect of increasing	g the distance l	oetween the obje	ect and a
	pin-hole ca	mera.				
			E	ND		