8:17

STEM EXAMINATIONS BOARD

PRE-PRIMARY LEAVING EXAMINATION SET XII, 2024 INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

L	Random No.	Personal No.	
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andidate's Na			
District ID No:			

Read the following instructions carefully:

- 1. Do not write your school or district name anywhere on this paper.
- 2. This paper has two sections: A and B. Section A has 40 questions and Section B has 15 questions. The paper has 8 printed pages altogether.
- 3. Answer all questions. All answers to both Sections A and B must be written in the spaces provided.
- 4. All answers must be written using a blue or black ball point pen or ink. Any work written in pencil other than graphs and diagrams will not be marked.
- 5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
- 6. Do not fill anything in the table indicated: "For Examiners' Use Only" and boxes inside the question paper.

FOF	R EXAMI USE ONI	
Qn. No.	Marks	EXR'S NO.
1-10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

	1. Why is the adult stage of a mosquito dangerous to human beings?
	2. How does decomposition process benefit crops?
3	Why are carbohydrates digested in the mouth?
4	State any one way crop farmers control pests.
5	
6.	Militaria i como con contrata de la como con contrata de la compansión de la como contrata de la compansión de
7.	
	Average and the second
8.	
9.	Give any one piece of information collected during demography on the available health service. The diagram below shows a type of roots. Study and use it to answer questions 10 and 11.
	1.1
	X
10.	Name the type of roots marked X on the diagram above.
	·····
11.	What is the difference between the roots marked X and those of bean plants?
12.	Give any one physical characteristic of incisor teeth.

Which deficiency disease causes bleeding guitis Why do some cattle fastisers use free range system of grazing." Why do small drums produce high pitched sound How are solar pariets adapted to trapping notar cherg. 16 Califor any once way where beloved exili: along the frances bard, benefity blow does application of set been a publishme client." State any new benefit of racting seedlings as a nurser, and Bloom dones a chaost current occurs in an electric current. How does booking water for drinking control business of animals." 21 Why are hope called accomban communication that com-Minth decree broughtes ejectured month mount in. Whether this intuitivenessabile dissense which afficults the appropriate stated The diagram below shows the human was thull und and it is another quadrant 25 and

4. What happens to the musicles marked Q when the human arm is been?

26	Why are muscles marked P and Q referred to as antagonistic muscles?
27.	of shippery body to a rish.
28.	and of a swarm catching liet to a bee keeper?
29.	Write down any one way of preventing fire outbreak in a home.
	The diagram below shows the type of simple machines. Study and use it to answer questions 30 and 31.
	The second secon
30.	
31.	Why is the object marked T called a simple machine?
32.	Mention any one fungal disease which affects the human skin.
33.	State any one guideline of Primary Health Care.
34.	Why should young people be rewarded for their behaviour in the community?
35.	How do rabbit farmers ensure safe hutches for their rabbits during construction?
36.	State the benefit of using water as a resource over minerals in the environment.
37	What is the danger of self medication to human health?
38.	Give any one way of improving the quality of products produced by exotic cattle.

·····	is injection method i	more effective than oral method of administering vaccine
	♥ S.W SENECEPER	
	(0)	SECTION B: 60 MARKS
a)	What are primary se	uestions 41 to 55 carry four marks each.)
b) ;	Give any two sexual adolescent girls.	changes that prepare sexual organs for reproduction in
i)		

c)	Why are adolescent	girls at a risk of becoming anaemic?
 Aatcl	i items in S with tho	Td
52.67	S	T Correctly.
(i)	Intercropping	Mulches decay and form humus
(ii)	Bush fallowing	Recycles soil nutrients
(iii)	Mulching	Balances nutrient content of the soil
(iv)	Manuring	
	i i i i i i i i i i i i i i i i i i i	Enables the soil to regain fertility
i) E	Bush fallowing	
5	Manuring	
) V	what is the use of a	potty to a mother with a baby?
	irite down any two	features of a VIP latrine
V (Total little of a vigital little of the litt
	- Constant March	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
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)		ine be constructed downhill the water source?
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) 	Thy should a pit latr	rine be constructed downhill the water source?
) 	Thy should a pit latr	etween magnetic and non magnetic materials.
)) W	hy should a pit latr	etween magnetic and non magnetic materials.
)) W	Thy should a pit latr	etween magnetic and non magnetic materials.

(b) (c) (d) S The di (a) W (b) N	Why is pollina State the benef	is able to local	rtant plant problem grains problem g	night? ocess? roduced by s	ome flowers	question
(c) (d) S The di	Why is pollina State the beneficiagram below	fit of sticky postorion and important sticky postorion shows a respi	ollen grains p	roduced by a	ome flowers use it to answer	question
(a) W	State the beneficial state the beneficial state and below to the beneficial state and beneficial state an	fit of sticky po	iratory system	roduced by s	ome flowers	question
(d) S The di He (a) W (b) N	eart Which type of I	shows a respi	iratory system	n. Study and	ome flowers	question
The di He (a) W(b) N	eart B Which type of I	shows a respi	ratory system	n. Study and	use it to answer	question
(a) W	eart B Which type of I					que
(a) W (b) N	B Which type of I	breathing is si		ntercoastal n	nuscles	
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) Wr	hy should a pr	regnant cow	nave a dry p	eriod before	calving?	
) Wh	nich group of	mammals ha	is well deve	oped brain	?	

Giv	e any two wa	ays carnivoro	es are adapte	d to feedin	g on flesh	
	and the same	20			g on nesa	
					• • • • • • • • • • • • • • • • • • • •	F. K. 17 (1), Calculation

N11 - 20	nammals are called warm blooded. I meal. Study and use it to answer questions that follow.
a) What term is used to	describe the above meal?
0.000	nce of including avocado in the above meal?
	od stuffs which serve the same purpose as matooke.
i)ivicinion any two too	
(ii)	
(a) Which property of l	ight leads to the formation of the rainbow?
(b) Name the fifth color	ur of the rainbow.
	ow normally occur in the morning and evening?
d) What causes the spl	litting of a white ray of light as it moves from air to glass?
	of steem in the environment
ANNELS - MARKET	of steam in the environment.
A	
\$100 PM \$100 P	
(ii)	mention any two energy resources from water.
(ii)(b) Apart from steam, 1	mention any two energy resources from water.
(ii)(b) Apart from steam, 1	
(ii) (b) Apart from steam, 1 (i) (ii) Use the table below to a	mention any two energy resources from water. nswer questions that follow. Y
(ii)	nswer questions that follow.
(i). (ii) Use the table below to a	nswer questions that follow.

51

52. (a) Which type of changes is shown in table above?	
(Give any two characteristics of the changes shown in the table above.	
,	State the benefit of the above ele-	- Contraction
53.	(a) What type of food do worker bees feed to the queen bee?	-
	(b) How do worker bees defend the hive against attack?	
	(i): (i):	1
	Study the illustration below and use it to answer the questions that follow.	
	Water + Sold + Salt = Salt	
54.	(a) What does the above illustration show?	
	/b> N	
	(b) Name the substances marked;	
	(i) P	
	(ii) R	
	(c) State the benefit of washing hands before preparing oral rehydration solution.	
35.	(a) Why does flour remain suspended in water?	
	(b) Which type of mixture is formed when flour is mixed with water?	
	(c) How can one separate the following mixtures?	
	(i) Seeds and their husks?	
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