## LIRA CITY ACADEMIC BOARD PLE-MOCK ASSESSMENT 2024



## INTEGRATED SCIENCE PAPER

Time Allowed: 2 hours 15 minutes



Candidate's	s Na	ıme: _							
Index No	:								
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School:	_								1 2 - 5 - 11   9

## DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DOSO READ THE FOLLOWING INSTRUCTIONS CAREFULLY

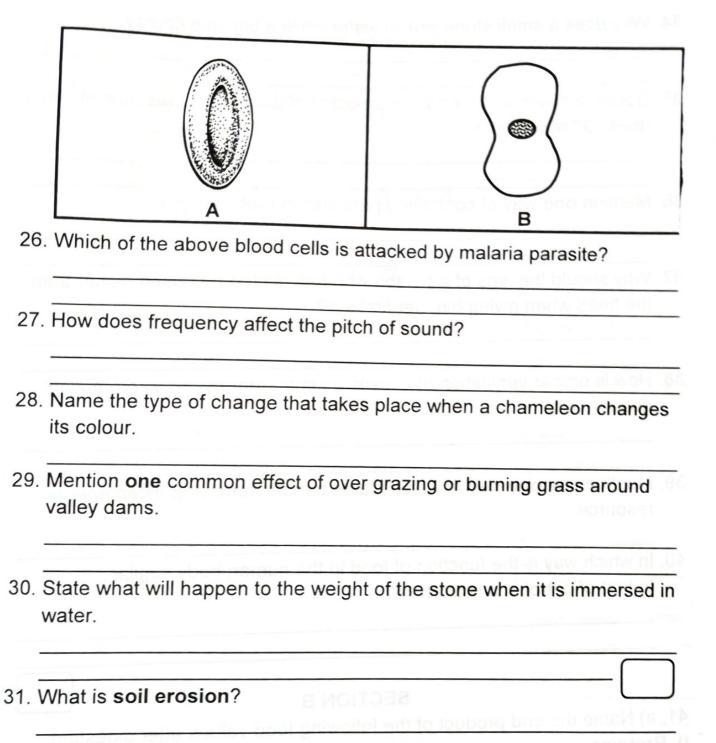
- The paper is made up of two sections: A & B.
- 2. Section A has 40 questions (40 marks)
- 3. Section B has 15 questions (60 marks)
- 4. Answer ALL questions in both sections A & B
- All answers must be written in the spaces provided in BLUE or BLACK ink. Only diagrams should be drawn in pencil.
- Unnecessary crossing of work will lead to loss of marks.
- Poor handwriting, which cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the boxes shown

QN. NO.	MARKS	EXAMINER'S INITIALS
- 10		
1 - 20		
21 - 30		
31 - 40	hishoo	8
41 - 43		125
14 - 46		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
47 - 49		2 4 10 14 4 9
50 - 52	10	A. 8.
53 - 55	15	9
OTAL	111	* 800

1.	SECTION A  How is oxygen useful in the process of germination?
2.	Which component of soil is used by plants to make starch?
	Give <b>one</b> way a farmer can improve nitrogen content in the soil without using artificial fertilizers.
	The diagram below is of an optical instrument .Use it to answer question:
	Object B Eye
4.	At what angles are mirrors <b>A</b> and <b>B</b> placed?
	Why is it important for the government to collect information on human health?
6.	State what determines the size of an image in a pinhole camera.
7.	Which property of a magnet enables a compass to operate?

In the space p	rovided belov	w draw a	compound	digitate l	oof
			- inpound	- digitate ii	cai,
	1				
. Give one func	tion of a joint i	in a huma	in body.		
How is a cruel	important on		16.0		
. How is a crush	important on	an anima	al farm?		
. What do birds	use to detect	sound wa	ives in air?		100
Give one adva	intono of a si-	-1			
Give one adva pulley.	intage of a sin	igle mova	ble pulley o	ver a single	fixed
pamey.					
			10	ni et-aty	00 et 1
In what state o	f matter is ice	at 101° C	?		
How is the hun	nan heart ado	ntad to ita	function 2	a. 10 x381 c	0.00 W/U
now is the nam	iaii ileait auo	pied to its	function?		
/ Ind-alti-	1 12 14		a Palitia	Ty- HQ H	
Name the class	s of food diges	sted in the	mouth?		

17	. Why do clothes take long to dry on a cloudy day after washing and hanging?
18	State the method of heat transfer in gas.
19	. Name any one vector that spreads germs to people.
20	Which animal uses the structure drawn below as its habitat?
21.	How is the reproduction of yeast different from that of fungi?
22.	Why is tepid sponging important in giving first aid?
23.	Write COVID-19 in full.
24.	How does lack of vitamin D in a child's diet affect the skeletal system?
25.	Why do people who smoke tobacco find it difficult to quit the habit?



32. Why is BCG vaccine given to babies immediately after birth?

33. Give one way a farmer can prevent unwanted swarming of bees on the farm.

Why does a small stone sinl	k in water while a big ship floats?
Doctor Job wrote "2" x "3" does "3" represent?	on a pocket of drug in his prescription, what
Mention one way of controlli	ing parasites in rabbit keeping.
Why should the legs of a per the head when giving him\he	rson who has fainted be raised higher than er first aid?
How is proper ventilation of h good health?	nouses an important aspect in promoting
Mention any one way in whice resource.	ch plants benefit from wind as an energy
In which way is the function of the total of petrol in a motorbik	of food in the human body similar e?
	SECTION B
a) Name the end product of the roteins	he following food values after digestion;
nediately either birth?	2. why is BCG vaccine given to bables imp
ats and oil	
g no enset to primitavve bette	mayarq macamata a tarmer can prevent unwi
ate <b>one</b> use of proteins in we	aum de
	Doctor Job wrote "2" x "3" does "3" represent?  Mention one way of controlling why should the legs of a perthe head when giving him/her.  How is proper ventilation of I good health?  Mention any one way in which resource.  In which way is the function of the tothat of petrol in a motorbik at the petrol in a motorbik roteins.

c) why does a star	ved person become weak?
<sub>12.</sub> a) Name the pa	art of the kidney where each of the following takes place;
Filtration of blood	d where each of the following takes place;
i) Selective re-abso	orption of filtered substance
Storage of waste	e removed from blood.
Give a reason w	hy people urinate more frequent during cold weather.
)	examples of harmful insects.
) ) How are the follo ) <b>Termites</b>	owing insects useful to people?
Moth	The Colle below shows now its add of 3 add of
4. a) What is <b>pub</b> e	erty?
How is a foetus o	lifferent from an embryo?
State any <b>two</b> en	notional changes that take place during growth and iod in human beings.
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45. The diagram below shows a safety equipment .Use it to answer the



a) Which component of	
omponent of a	ir is commonly used in the above equipment?
	y account the above equipment?

b) How is the	above equipmen	nt used to keep safet	
	equipmen	nt used to keep safet	v at school2
		p duice	y at scribbl?

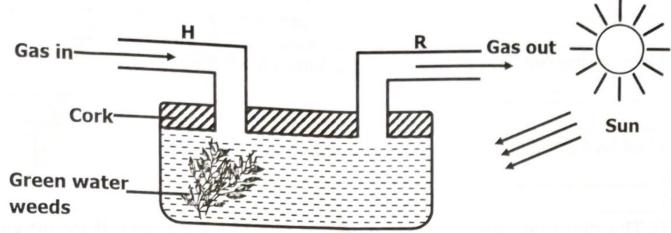
- c) Give one way of keeping the above equipment effective.
- d) Why should students be taught how to use the above equipment?

46. The table below shows how Mr. Adwany uses his garden.

Seasons	First season	
Year one	Soya beans	Second season
Year two		Ground nuts
Vhat crop growin	Peas	Beans

- a) What crop growing practice is being carried out by Mr. Adwany?
- b) State two dangers of the crop growing practice above.
- ii).
- c) Why is watering done to crops during the dry season?

47. Study the experiment below carefully and answer the questions that follow.



- a) What process does the above experiment show?
- b) Which gas enters through tube H?
- c) Which gas is given off through tube R?
- d) How is the above process in the plants essential to animals?
- 48. Tom stood infront of a looking mirror, his image was formed 12 metres away behind the looking mirror.
- a) How far was Tom from the looking mirror?
- b) Give a reason for your answer in (a) above.
- c) Name one instrument that uses plane mirrors.
- d) Give one way people make use of reflection of light.

49. a)	Which part of an egg develops into a chick during incubation?
b) How	v is the function of the air sac different from that of an egg shell?
. /	two conditions that allow a fertilized egg to hatch.
ii) 50. <b>Th</b>	e diagram below shows a young one of a frog. Use it to answer
	R
	e the part marked R.  does the above animal die when removed from water?
_	are amphibians able to control mosquito borne diseases?
d) Apart	from frogs, give one other example of amphibians.
51. Nam ). Liver	ne the waste products excreted by the following organs.
i). Skin	
o) Identif	fy one life style that endangers the effectiveness of the liver.

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Match the following infec	tious diseases to their signs.
Infectious disease	Common sign
i) Dysentery	Bloody urine.
ii) Cholera	Madness in adult if not treated
iii) Bilharziasis	Bloody diarrhoea.
iv) Syphilis	Diarrhoea with vomiting.
Dysentery	
Cholera	
Bilharziasis	
questions that follow.	s the rain cycle. Use it to answer the
	Sun Cloud 300000

c) In which two ways do people sustain rain in the environment?
i)ii)
54. a) Give <b>one</b> advantage of hand milking of cows.
<ul><li>b) Why should a milk man perform the following activities during milking?</li><li>i) Washing teats and udder with warm water.</li></ul>
ii) Smearing the teats with Vaseline.
c) State one way of preserving milk.
<ul> <li>55. Below is a wrong order of steps followed to administer first aid to a person who has fainted.</li> <li>i) Chase away the standers to provide fresh air to the victim.</li> <li>ii) Lie the victim on his or her back in an open place.</li> </ul>
iii)Raise the victim's leg higher than the head.
iv)Remove or loosen the light clothes from the victim's body.
Rearrange the steps above to make a correct order of administering first aid for fainting.
i)
) State to a la portancia of trees during the para cyclo
v)
*END*

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