### MBARARA ARCHDIOCESE

# **PRIMARY LEAVING MOCK 2023**

## INTEGRATED SCIENCE

Time allowed: 2 hours 15 minutes

School EMIS	Personal No.
Index No. :	Just Supplemental con
Candidate's Name :	
Candidate's Signature :	
School Name :	<u> </u>
Parish Name :	·
Read the following instructions carefully:	FOR EXAM
	Qn. No
1. The paper has <b>two</b> sections: <b>A</b> and <b>B</b>	1-10
2. Section A has 50 questions (40 marks)	
3. Section <b>B</b> has 15 questions (60 marks)	11 – 20
4. Answer ALL questions. All answers to both Sections	21 – 30
and B must be written in the spaces provided.	31 – 40
. spotstature in the	41 – 43
<ol><li>All answers must be written using a blue or black ba</li></ol>	
point pen or ink. Diagrams should be drawn in pend	il. 44 – 46
6. Unnecessary crossing of work may lead to loss of ma	arks 47 – 49
7. Any handwriting that cannot be easily read may lead	
100 Charles Charles Con The First Con Control	50 – 52
loss of marks.	53 – 55
8. Do <b>not</b> fill anything in the boxes indicated;	
FOR EXAMINER'S USE ONLY	TOTAL

#### IINER'S USE ONLY

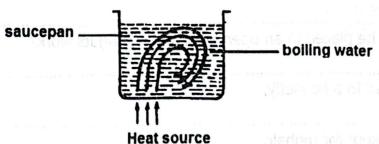
Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30	<u> </u>	
31 – 40	111111111111111111111111111111111111111	ers <del>vitazabi</del>
41 – 43	la se i se i se	to consider
44 – 46		
47 – 49		
50 - 52	0.000.011.0	
53 – 55	r eathan :	era neuma
TOTAL	Miyib at	r, asob work

### **SECTION A: 40 MARKS**

Questions 1 to 40 carry one mark each

1.	Name any one group of organisms involved in soil formation.
2.	How can parents protect their children against Kwashiorkor?
3.	What is the importance of a shade on a nursery bed?
4.	State one way in which plants depend on animals in the environment.
5.	Of what function are flowers to a plant?
6.	Write any <b>one</b> principle of Primary Health Care.
	The diagram below shows part of the human skeleton. Study it and answer questions 7
	and 8.
7.	Name the movable join located at the point labelled Y.
8.	Identify any <b>one</b> injury that can occur at point <b>Y</b> .
9.	State <b>one</b> characteristic of seeds dispersed by water.
10	. Give any <b>one</b> condition that can make man vulnerable.
11	. How does the practice of keeping fish in a pond at home control malaria?
	. Mention <b>one</b> natural method of birth control.
13	. How does sun drying help to preserve harvested crops?

Below is a method of heat transfer. Use it to answer the questions 14 and 15.



14.	By what process does heat travel through the boiling water?
15.	What do the arrows in the water represent?
16.	Give <b>one</b> function of blood plasma.
17.	Identify any <b>one</b> disorder of the human teeth.
18.	State <b>one</b> way in which plants are used as energy resources.
19.	Mention any <b>one</b> example of a chemical change that requires oxygen to occur.
20.	What is the main duty of the drone bee in the colony?
21.	Write <b>one</b> characteristic of arthropods.
 22.	In which way are plant leaves adapted to making food?
 23.	Form a correct food chain using the organisms below.  Squirrel, groundnuts, bacteria, python
	What do we call the frequent passing out of watery stool with blood stains?
25.	Name the type of root system drawn below.
	A VERNE FURSING THE COMPLETE COVER CONTRACT PROPERTY OF THE CONTRACT OF THE CO
4.000	. How twa films of the statement similar count with a take from an field?

26. How do earthworms increase air circulation in the some
27. Why should a rain gauge be placed in an open area while doing its work?
28. Give the function of halters to a housefly.
29. Name the breed of goats kept for mohair.
30. What role does sugar play in the Oral Rehydration Solution given to a cholera patient?
31. State the energy change that takes place in a bicycle dynamo.
32. Give any <b>one</b> characteristic of enzymes.
33. Write <b>one</b> method of applying fertilisers in the garden.
34. How are birds able to over viscosity friction during flight?
The diagram below shows a method of propagation. Study it and answer the question that follows.  parent plant
peg
35. Name the method of plant propagation shown in the diagram above.
36. In which body organ does filtration of blood take place?
37. State <b>one</b> effect of smoking to a pregnant woman.
38. Name the fungus that normally develops on the left over foods.
39. How is a kink of a clinical thermometer similar to the valves of the human heart?
40. A vacuum flask is an important device in a home. Why is it not common in rural homes?
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41.	(a) Which tissue joins muscles to bones at the joint?
	(b) Mention any <b>two</b> examples of involuntary muscles.
	ii)(c) State any <b>one</b> function of the human skeleton.
42.	(a) Give any <b>one</b> cause of accidents at home.
	(b) Identify the type of accident which involves the following first aid activities:
	(i) applying clean cold water on the injured part.
	(ii) tying splints around the injured part.
	(c) Why should milk be given to a person who has taken rat poison?
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	Below is a diagram of a simple machine. Study it and answer the questions that
fol	low.
	PARTY WISH THE RESIDENCE OF THE PARTY AND A TOP OF
	Y
	25N impliangain oval visu yem rigidar in how are tras yillindi i (i.).
a)	To which group of simple machines does the above machine belong?
b)	Name the part of the machine labelled <b>Z</b> .
c)	Use letter <b>E</b> to indicate the position of the effort on the machine.
	Calculate the mechanical advantage of the above machine.
۵)	caracter and internating dayantage of the above machiner

(b) Give any <b>two</b> uses of magnets in our daily life.  i)  ii)  (c) Identify any <b>one</b> way in which magnets lose magnetism.  8. The diagram below shows a routine practice done on a certain cattle farm. Use it to answer the questions that follow.  Cow  foot bath	44.	(a) Mention one example of a leguminous crop.
(c) To which group of flowering plants do legumes belong?  (d) How do leguminous crops improve soil fertility?  45. (a) State any two indicators of poor sanitation in a home.  i)  ii)  (b) Mention two dangers of poor sanitation in a home.  i)  ii)  46. (a) Mention any two methods of preparing food to make it ready for eating.  i)  ii)  (b) What is the importance of cooking meat before eating it?  (c) Why do most people cover food during the process of cooking?  47. (a) State the law of magnets.  (b) Give any two uses of magnets in our daily life.  i)  ii)  (c) Identify any one way in which magnets lose magnetism.  8. The diagram below shows a routine practice done on a certain cattle farm. Use it to answer the questions that follow.		rise early four marks early
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cow foot bath		•
cow foot bath	aiis	
foot bath		• "
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		foot bath
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	a) N	ame the routine practice shown in the diagram above
•••••••••••••••••••••••••••••••••••••••	-/ '''	and the same practice shown in the diagram above.
	••••	

b) now important is the above	ve practice on a cattle family
c) Give the importance of a	foot bath on the above structure.
학생님은 것이	ର ଜନ୍ମ ଓଡ଼ିଆ ଓଡ଼ିଆ ମଧ୍ୟ ହେଉଛି । ଜନ୍ମ ନାର୍ଥ ହେଉଛି । ଜନ୍ମ କଥା । ଜନ୍ମ ହେଉଛି । ଜନ୍ମ କଥା ହେଉଛି । ଜନ୍ମ ହେଉଛି । ଜନ୍ମ
d) State one cattle pest that	can be controlled using the above practice.
. (a) Mention any <b>two</b> exar	mples of tuber crops.
i)	
(b) Write <b>one</b> method used t	o harvest tuber crops.
( ) ( )	
(c) Give any <b>one</b> method of (	controlling tuber crop pests in the garden.
Match the items in list A to	o their meaning in list <b>B</b> .
LIST A	LIST B
i) Capacity	- The space occupied by an object.
ii) Volume	- The amount of matter in an object.
iii) Mass	- Gravitational force acting on an object.
iv) Weight	- Amount of liquid a container holds.
	- How light or heavy an object is.
) Capacity	
,	
<u>*</u>	
,	cts removed from the body by the lungs.
ii)	
b) Why are lungs grouped u	nder excretory organs?
c) Mention <b>one</b> antisocial be	ehaviour that damages the lungs.
(a) Write <b>one</b> type of pou	
	ucinece?
b) Why is poultry called a bu	
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	missiala Albina Socoo i fillialy Louvilly Mook oblicite Eve

(d) Give any one way farmers control vices on their poultr	y farms.
53. The diagram below shows a type of tooth. Use it to ans	wer questions that follow.
The same and the s	arana xe. Milars nodaeM (eg. J
. / K	
No. of the last of	
controlling tuber grop rest in the second	n begjern erwa (r. 1915)
to their meaning is list of	
a) Identify the type of tooth drawn above.	
ine space of the s	
b) Name the regions of the tooth labelled K and L.	
i) <b>K</b>	acijiilii
ii) <b>L</b>	
c) How is the above tooth adapted to its function?	
4. (a) Which type of immunity is got through immunization	1 <b>?</b>
(b) Give one method used to administer vaccines to babies	<b>5.</b> ************************************
(c) How is a child health card useful to the:	
(i) mother	
(ii) nurse	
6. (a) State <b>two</b> characteristics of images formed by plane	e mirrors.
i)	
(ii	menangkaen anah e
(b) Why are plane mirrors called optical instruments?	
	ochrago so ersyle)
DESCRIPTION OF THE PROPERTY OF	
(c) State any <b>one</b> use of plane mirrors in our daily life.	Granika Martina (1981) se ve (1984)