MOTHERCARE PREPARATORY SCHOOLS

P.7 INTEGRATED SCIENCE

TIME ALLOWED: 2 HOURS 15 MINUTES

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Candidate's Name	1	- and process the same of the
Candidate's Signature	1 200 18 18 18 18 18	A SHEET COLLEGE MADE TO SHEET THE SH
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Read the following instructions carefully.

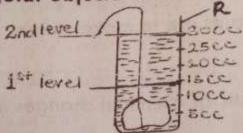
- This paper is made up of two sections A and B.
- Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
- All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
- 4. Unnecessary alteration of work may lead to loss of marks.
- 5. Any handwriting that cannot be easily read may lead to loss of marks.
- 6. Do not fill any thing in the boxes indicated for Examiner's use only.

	FOR OFFICIAL	USE ONLY	
SECTION	EXRS MARKS	T/L MARKS	OFFICE
ECHOI			
A			
3			
William Hall			
TOTAL		-	

1.	Which sense of the body is used to tell whether tea is hot?
2.	How is the reproduction of a mushroom different from that of a bean plant?
3.	How does poor feeding affect layer birds on a farm?
4.	Name any one solute used in preparation of ORS locally.
5. mou	Which cattle disease is characterized by painful wounds in the th and between hooves?
6.	How does heat from the sun reach the seeds at point W?
7.	Which delicate body organ is protected by the vertebral
8. depe	Apart from alcohol and tobacco, mention one other drug of endency.

9.	What is the importance of a screen on a VIP latrine?
10.	Mention one raw material plants use to make starch.
11.	Point out any one characteristic of chemical changes in the
	environment
12.	Why are animals like frogs, snakes and fish called
poik	cilothermic animals?
13.	Identify the vaccine which is used to protect babies against a
	disease whose signs include; runny nose, red eyes, sore mount
	and rash on the body.
14.	flowers able to attract pollinators at night?
15.	How does the sound produced by the whistle when blown by
the	referee reach to all the players in the playground?
14	
dri	-king contaminated water?

The diagram below shows a method used to find volume of irregular objects. Use it to answer questions 16 and 17.



17.	Name the container marked with letter R.
18.	What is the volume of the object?
19.	Identify the main product of sericulture.
20.	Name any one natural source of light in the environment.
21.	Briefly explain the meaning of the term Adolescence.
22.	State any one way in which water is used as an energy resource.
23.	Mention the vector that spreads River blindness to human beings.
1	What is DUC2

25. How is the function of ligaments in the body different from tha				
of the tendons?				
26. How is the shell of the egg adapted the its function of carryin	g			
out gaseous exchange?				
The diagram below shows a simple electric circuit. Use it	lo			
answer questions 26 and 27.				
The same of the sa				
L Jye 3)s				
27. Identify the form of energy stored in part marked with letter	r			
R.				
K.				
f f produced at part S				
28. Write down one form of energy produced at part \$.				
29. Why is it not a good practice to keep tall grass near the				
home?				
30. Point out any one traditional method used by people to				

tuntion in			
31. Give any one factor that affects the rate of transpiration in			
plants.			
32. State any one benefit of paddock system of grazing cattle to			
farmers.			
pro			
33. Identify the food value that helps to prevent Night blindness in			
people.			
o			
34. Apart from convection, give one other process by which heat			
travels through matter.			
35. State the adaptation of the tooth below to its function.			
36. Mention the component of soil formed by decomposition of			
organic matter.			

37. What are heat insulators?			
38. Why is every pupil at Hillside November 1.5			
38. Why is every pupil at Hillside Nursery and Primary Schools			
Naalya advised to have a clean handkerchief?			

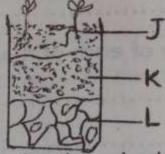
39. In which harmful way is road construction in the area?
40. Convert 10.5Kilograms to Grams.
SECTION B (60 Marks)
41(a) Mention the two systems of a flowering plant.
(i)
(ii)
(b) Identify one type of germination in plants.
(c) Write down any one example of a plant which undergoes the
type of germination you have mentioned above.
42. Use the diagram below to answer the questions that follow.
(a) Name the part marked with letter Q.

(b)	Identify the force increased by putting part Q on the above
sho	es.
(c)	Give any two ways how the force you have mention in (b)
-14	ove can be reduced.
	(i)
	(ii)
43	. (a) Mention any two exotic breeds of goats kept for
	production of milk.
	(i)
	(ii)
(b)	Besides getting milk, give any other two ways goat rearing
ben	efits the farmer.
	(i)
	(ii)
44.	(a) Point out any two ways in which bacteria are useful to
	ple it and its up and as war or woled mount back and and
	(i)
	(ii)
(b)	State any two ways in which bacteria are harmful in the
	environment.
	(i)
	(ii)

45. Complete the table below correctly.

Animal	Method of protection
••••••	Withdrawing into its shell
Skunk	
	Curling
Dog	- rests pelt apidipos es nel figilità la

46. The diagram below shows the different layers is soil. Study it carefully and use it to answer the questions that follow.

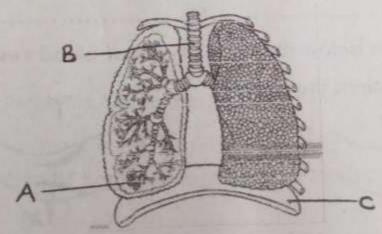


(a) Name the layers of soil marked K and L

(i)K	
(ii)L	•••••
(b) What makes layer J the best for plant growth?	

(c) How does overgrazing cause soil erosion in an area?
47. (a) What is electricity?
(b) Name the static electricity in nature.
(c) What force enables the above type of electricity to be formed?
(d) Give one way in which the electricity named in (b) above is harmful in the environment.
48. Explain briefly the meaning of each of the following terms. (a) Weeding
b)Fertilization
c)Pollination
d)Digestion

49. The diagram below shows the respiratory system of a person. Use it to answer questions that follow.



(a) t	Name parts marked B and C
	(i)B
	(ii)C
(b)	Give the importance of part A.
(c)	State any one disease of the above body system.
50.	a) How is charcoal obtained?
	(b) State any two dangers that can result from making
	charcoal in the environment.
	(i)
	(ii)

(c) Why does the government of Uganda encourage people to
use energy saving stoves?
51. The diagram below shows two types of blood vessels. Use it to
answer the questions that follow.
Z
X
(a) Identify the type of blood vessels above.
(i)Y
(ii)Z
c) What is the importance of structures marked X in blood vessel Y?
(d) State the functional difference between blood vessel Y and
blood vessel Z.
52. (a) What is temperature?

(b) Give any one advantage of using mercury in thermometers.

53. (a) What is the incubation period of a hen?				
(b) Which method of hatching eggs uses an incubator?				
The farmer.	dir incobaror or			
	tatata to their examples			
53. Match the following types of joints to their examples.				
<u>A</u>	<u>B</u>			
Hinge joint	Shoulder joint			
Gliding joint	Joints in the skull			
Ball and socket joint	Elbow joint			
Suture joints	Neck joint			
	Wrist joint			
(b) Gliding joint				
(c) Ball and socket joint				
(d) Suture joint				

(c) Convert 25°C to Fahrenheit scale. (2 marks)

54. (a) What is the incubation period of a hen?
(b) Which method of hatching eggs uses an incubator?
(c) In which one way is the use of an incubator of an advantage to
the farmer?
55. (a) Write down any two devices used to store sound. (i)
(i)
(b) State one method of storing sound.
(c) Give any one reason why sound is stored.
END

END