E	· · · · · · · · · · · · · · · · · · ·	A[	OMNO		CLASS
	GAT	TITU SECOND	ARY SCHO	OL	
ВІО	LOGY, FOR	M THREE ENI	OF TERM	ONE EXA	М
mpt ALL question	s in section A	AND B			
ose 1 question in	section C				
i) Fill in the tabl	e below (8mar	ks)		٠	
Organism	kingdo	om	Phylum/ c	livision	class
i)Honey bee					
ii)Maize Plant				· · · · · · · · · · · · · · · · · · ·	
ii)Rat					
i) Give the diffe	rences betwee	n mocots and did			cts (8marks)
Veins					<del></del>
Veins	on stem				
Veins Vascular bundles	on stem				

3. State three features that a grasshopper crab, a spider and millipede have in common (3marks)
5.a) state three characteristics of monera that are not found in other kingdom (3marks)
b) Name the class to which a termite belong (1mark)
6. Briefly explain the role of the following in homeostasis (6marks)
i) A.D.H
iii) Aldosterone
iv) Glucogen

7. State <b>three</b> differences	between aerobic and	anaerobic respiration	(6marks)
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Aerobic	Anaerobic
b) Write a word equation to represent	aerobic respiration of glucose (2marks).
•	A separation of Blassoc (Emarks).
4	
8. Briefly explain why fresh water anim	nals excrete mainly ammonia while terrestrial ones excrete mainly
urea in their urine (4marks)	The terrestration of the sexcrete mainly
9. Name the function of the liver which	(3marks)
a) Assist the function of a digestive en	
a) Assist the function of a digestive en	izyme
b) Enables the body to get rid of exces	es amino ocid
a, andres the body to get hid of exces	s amino acid

		TION B
10. a scientist gre	w some cereals in a field	d. During the course of one day she took several plants ever
percentage of the	edry mass of the leaves	sugar in the leaves. The sugar concentration expressed as a
Time of day		
4.00 am		Sugar concentration
3.00 am		0.45
12.00 noon		0.65
1.00 pm		1.75
		2.00 1.40
3.00 pm		
3.00 pm 12.00 midnight 1.00 am a) Plot the al	oove data on a graph i.e	0.50 0.45 sugar concentration against time (5marks)
a) Plot the al		0.50 0.45
a) Plot the al	the probable concentra	0.50 0.45 sugar concentration against time (5marks) tion of sugar in the leaves at;
2.00 midnight .00 am  a) Plot the al  b) What was i) 10	the probable concentra	0.50 0.45  sugar concentration against time (5marks)  tion of sugar in the leaves at; (2marks)
2.00 midnight .00 am  a) Plot the al  b) What was i) 10	the probable concentra  0.00 am  2.00 am	0.50 0.45  sugar concentration against time (5marks)  tion of sugar in the leaves at; (2marks)

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Account	for the change in sugar concentration over the 24 hour period (2marks)
1. Explai	SECTION C  n how the mammalian skin is adapted to perform its function (20marks)
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2. Describe the digestion of starch from the r	nouth to its final products (2omark	(s)

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