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## FORM ONE BIOLOGY

## **END TERM EXAMINATIONS**

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1 11 11	<b>VIII</b>	SCHOOL	
		INSTRUCTIONS TO STUDENTS	
	1.	Answer all questions in this question paper.	
	2.	All your answers must be written in the spaces provided in this question	paper.
	1.	State the functions of the following parts of alight microscope:	(2mks)
	_	ective lens	
		nhroam	•••••
	о) Dia	phragm 	
2.		e the functions of the following cell organelles: ibosomes	(1mk)
	b) L	ysosomes	(1mk)
3	a) D	istinguish between diffusion and active transport.	(2mks)
		tate <b>one</b> hole that is played by osmosis in:	(1 1)
	i) Pl		(1mk)
		nimals	(1mk)
4.	The	diagram below a red blood cell that was subjected to a certain treatment.	

At start

at the end of experiment

	• • • • • • •
b) Draw a diagram to illustrate how a plant cell would appeared if subjected to t he same treatment.	(1mk
Plant cells do not burst when immersed in distilled water. Explain	(2mks)
State <b>three</b> functions of Golgi apparatus.	(3mks)
Name <b>one</b> cell organelle found in the actively respiring tissues.	(1mk)
Distinguish between hypertonic and hypotonic solutions.	(2mks)
	, ,
The following is a diagram of a light microscope.	•••••
	•••••

· ·	(2mks
-	
	(1mk) 
b) Contain enzymes that are capable of destroying old damaged cells.	(1mk)
c) Control all the processes in a cell.	(1mk)
d) Form Cilia and flagella in cells that have them	 (1mk
	(2mks)
(i) Insects	
(ii) The relationship between organisms and their environment.	
	(1mk)
State the use of the following apparatus.	
	(1mk)
	(1mk)
The scientific name for beans is phosedus vulgaris.	
a) What taxan does the term phoseodusrepresent.	(1mk)
	c) Control all the processes in a cell.  d) Form Cilia and flagella in cells that have them  State the branch of biology that deals with the study of:  (i) Insects  (ii) The relationship between organisms and their environment.  Name the filed of science that specializes in the study of cells.  State the use of the following apparatus.  i) Pooter.  ii) Sweep net  The scientific name for beans is phosedus vulgaris.

15.	Compare the structure of plant and an	nimal cells.	(4mks)
			•••••
			•••••
16.	List <b>seven</b> life processes/characterist	ics that must take place in all living organisms.	(7mks)
			•••••
			•••••
			•••••
			•••••
17.	List <b>seven</b> major taxonomic units of	classification on living things. In descending orde	er. (7mks)
			•••••
			•••••
18.	Classify the following organisms into	their kingdoms	(4mks)
	Organisms	Kingdom	
	a) Maize,Beans		
	b) Mushrooms, Yeast		
	c) Protoza, algae		
	d) Bacteria		
19.A	student was preparing a section of a pla	ant cell to be viewed on a light microscope. Give	a reason for
each	of the following steps:-		
	(i)Cutting a very thin section	(1mrk)	
	(ii)Staining the section	(1m	rk)

ection in water	(1 mrk)
	(1mrk)
wing terms.	(1mrk)
	(1mrk)
cions of a microscope.	(2mrks)
	(1mk)
e meaning of the following terms	(1mk)
	(1mks)
	owing terms.