

NAME 1-2-3	MARKS
A D M I C C I O N I I I M D E D	
ADMISSION NUMBER	

DATE	QUARTER	EXAM	CLASS	SUBJECT
28 <sup>TH</sup> NOVEMBER, 20	16 4	ANNUAL	_ 1	
TIME	TEAC	HER(S)	<b> -  </b>	BIOLOGY
2 HOURS	MR. OMAR (FB)	- MADAM SAUMU		
	<del>(FG)</del>		l	

QUESTION NUMBER	QUESTION CHOSEN: PUT A TICK (√)	FOR EXAMINER'S USE ONLY				
		MARKS	EXAMINER'S SIGNATURE			
1.						

### **INSTRUCTIONS:**

- 1. This paper consists of sections A, B and C.
- 2. Answer **ALL** questions.

## SECTION A (30 Marks) Multiple choices (10 marks)

1.	Choose the most correct answer from the given alternatives and only write its letter in the box provided.								
	(i)	We s	We study biology in order to:						
		A.	Know all living things and non-living things better						
		В.	Be teachers and doctors						
		C.	Understand ourselves better						
		D.	Be able to understand our world better						
	(ii)	Zool	logy is the science of:						
		A.	Animals only						
		B.	Animals and plants						
		C.	Classification of living things						
		D.	Animal meaning						
	(iii)	Sens	se organs are good and useful in						
		A.	Making conclusions in experiments						
		B.	Determining the problem						
		C.	Making observations						
		D.	Testing and tasting activities						
	(iv)	Che	micals that can burn your skin are termed as						
		A.	Harmful						
		В.	Toxic						
		C.	Oxidant						
		D.	Corrosive						
	(v)	If you	u accidentally swallow a poison, you are advised to take a glass of milk because the milk						
		A.	Induces vomiting						
		B.	Relieves pain						
		C.	Neutralizes pain						
		D.	Prevents shock						
	(vi)	Insul	lating electric cables help to prevent						
		A.	Current to flow						

В.

Electric shock

	A.	chnique following definite steps used to acquire new knowledge is known as:  Scientific process
	В.	Investigation
	C.	Experimentation
	D.	Observation
(v.:::)	١ ،	Masta disposal magner
(viii)	, v A.	Vaste disposal means:  Exposing wastes in the environment
	В.	Proper discarding or destroying wastes according to environmental laws or
		converting wastes to useful things
	C.	Collection, transport , processing or disposal of wastes
	D.	Cutting down the amount of waste you throw away
(ix)		is the basic unit of classification of organisms.
	A.	A cell
	В.	
	C.	·
	D.	Taxonomy
(x)		is an organism that grows and gets its nutrients from dead organic
		ter causing it to decay.
	A.	A parasite A saprophyte
	В. С.	
	D.	A fungus
		wing statements are either true or false. Write <b>TRUE</b> if the statement is true and write <b>FALSE</b> if the statem
	emer	
state	emer	nt is false on the space provided. (10 marks)
state	emer A	Asymptomatic disease always shows symptoms
state i. ii. iii.	emer A L	Asymptomatic disease always shows symptoms  Unwanted materials are wasteful materials
state i. ii. iii. iv.	emer A U V	Asymptomatic disease always shows symptoms  Unwanted materials are wasteful materials  We are always safety if we are at the state of being protected from danger
i. ii. iii. iv. v.	emer L V F	Asymptomatic disease always shows symptoms  Unwanted materials are wasteful materials  We are always safety if we are at the state of being protected from danger  Pellicle is a protein coat that surrounds a virus particle
state i. ii.	emer L V F L	Asymptomatic disease always shows symptoms  Unwanted materials are wasteful materials  We are always safety if we are at the state of being protected from danger  Pellicle is a protein coat that surrounds a virus particle  Fact or information collected during scientific investigations is termed as conclusion

C.

D.

Electric supply

Poison

ix.	First aid is only provided by qualified people
x.	A compound microscope is more powerful than an electron microscope

3. Match the terms in list **A** with the correct item in list **B** by writing its letter below the numbers of the corresponding item in list **A** in the table provided. **(10 marks)** 

	LIST A		LIST B
i.	Serves as a power house of a living cell.	A.	Vacuoles
ii.	Possesses two nuclei.	В.	Cell wall
iii.	Nose, trachea and lungs.	C.	Enlargement
iv.	Found in both plants and fungi.	D.	Magnification
V.	Used for absorbing blood for cuts with minor bleeding.	E.	Gauze bandages
vi.	Outer covering in euglena.	F.	Cotton balls
vii.	Projections in protozoa for movement and feeding.	G.	Flagella
viii.	Malaria, T.B, and typhoid.	H.	Pseudopodia
ix.	A product of eye-piece power multiplied by objective lens power.	I.	Organs
х.	Assigning two scientific names to living things.	J.	Chloroplast
		K.	Pellicle
		L.	Cuticle
		M.	Paramecium
		N.	Plasmodium
		0.	Binomial Nomenclature
		P.	Tissue
		Q.	Taxonomy
		R.	Mitochondrion
		S.	Pandemic
		T.	Endemic

#### **ANSWERS**

-	ANOVERS										
	i	ii	iii	iv	V	vi	vii	viii	ix	Х	

### **SECTION B (50 Marks)**

4.	(a)	Define the term classification of living things.

(b) Give at least two differences between the two systems of classification of living organisms.

		System_	System
		i	i
		ii.	ii
			II
5.	(a)	Explain the meaning of the term composting.	
	41.		
	(a)	State advantages and disadvantages of composting.  Advantages:	Disadvantages
		(i)	(i)
		(ii)	(ii)
6.	(a)	Why is First aid important? Give two reasons.	
	` ,	(i)	
		(ii)	
	(b)	Explain proper procedures for providing first aid to a v	ictim of minor burns.
7.	(a)	Name the parasite that causes malaria.	
	(b)	State the kingdom and phylum to which the parasit	e you mentioned in (a1) above belongs:
		Kingdom:	Phylum:
8.	Na a)	ame the parts of the cell described in each of the stater  A jelly-like substance in which other organelles are	
	b)		s in or out of the cell. ()
	c)	Fluid filled sacs for storing food and excreting waste	
	d)		nformation. (
9.	(a)	Define the term Binomial Nomenclature.	
	(b)	Many living things have their local names, yet we give	them scientific names. Explain why?
		Give four rea	sons
		(i)	
		(ii)	

	(iii)	
	(iv)	
10. (a)	Draw a well labeled diagram of an animal cell as see	en under the electron microscope.
10. (0)	as see	ander the electron microscope.
b.	Name the parts which are common to bot	h the animal and the plant cell.
c.	How is the animal cell different to the plan	t cell?
-	,	
	Animal cell:	<u>Plant cell:</u>
	1	
	·	I
	ii	ii
	iii	iii
	iv	lv

# SECTION C (20 Marks)

Choose **ONLY ONE** question in this section.

11.	Outline the causes,	mode of tr	ransmission, signs a	nd symptoms	, effects and	l preventive mea	sures of Malaria.
					,		

12. Outline economic importance of Monerans.