

## Our country, our future

NAI	ME:	STREAM		
SEI	NIOR ONE			
Вю	LOGY			
Exa	<b>АМ З</b>			
D 11				
Do all	numbers			
1 ½ h	ours			
1.	Which of the following are not social insect A. Ants B. Termites	cs? C. Bees D. Butterflies		
2.	Which one of the following does not contribute to the efficiency of a housefly as a vector?			
	A. Ability to fly	C. Feeding in dirty places		
	B. Feeding on liquid food	D. Possession of hairs on the body		
3.	Which one of the following is the correct or organism?	der in the level of organisation of an		
	A. Cell $\rightarrow$ Organs $\rightarrow$ tissues $\rightarrow$ systems			
	B. Tissue $\rightarrow$ Organs $\rightarrow$ systems $\rightarrow$ cells			
	C. Cells → tissues → organs → systems			
	D. Organs $\rightarrow$ tissues $\rightarrow$ systems $\rightarrow$ cells			
4.	Which one of the following farming practices <b>does not</b> promote soil fertility?			
	A. Strip cropping	C. Crop rotation		
	B. Monoculture	D. Mulching		

5.	Which one of the following cell structures is possessed by both animal and planticells?		
			C florollum
		Chloroplast Cell wall	C. flagellum D. Cell membrane
	D.	Cell Wall	D. Cell memorane
6.	Be	ans are usually included in crop rotation of	cycle because they
		Act as cover crops	
		Improve water retention of the soil	
	C.	Increase humus content in the soil	
	D.	Restore nitrogen in the soil	
7.	In	a parasitic association between two organ	nisms.
	A.	Both members benefit	
	В.	Only one member benefits	
		Both members suffer harm	
	D.	Neither member is harmed	
8.	A. B. C.	nich of the following diseases are all trans Elephantiasis, river blindness and yellow Malaria, elephantiasis and river blindnes Yellow fever, malaria and elephantiasis Yellow fever, malaria and elephantiasis	v fever
9.		nich one of the following organisms impr	_
		Fungi	C. Snails
	В.	Bacteria	D. Termites
10.	. Wl	nich one of the following groups contains	the largest number of organisms?
	A.	Order	C. Species
	B.	Class	D. Phylum
11.		nich of the following parts of a microscopecimen into focus?	be are adjusted in order to bring the
	A.	Eyepiece and coarse adjustment	
	B.	Coarse and fine adjustment	
	C.	Eyepiece and fine adjustment	
	D.	Mirror and fine adjustment	
12.	. Wl	nich of the following are structural adapta	ations to flight in birds?
		Light bones and webbed feet	
		Webbed feet and light feathers	
		Streamlined body and light bones	
	D.	Smooth body and light feathers	

	which one of the following associations of	do both organism benefit?	
	Malarial parasite and human		
	B. Tapeworm and human		
	A fungal parasite and plant		
D.	Nitrogen fixing bacteria and leguminous	s plants	
	which of the following levels of classific oduce fertile offspring?	eation can organisms interbreed and	
A.	Class	C. Species	
B.	Phylum	D. Kingdom	
15. W	hich of the following part of a microscope	e magnify the object?	
	Eyepiece and mirror	C. Eyepiece and objective lens	
B.	Objective lens and mirror	D. Eyepiece and fine adjustment	
16. W	hich of the following parts of a plant cell	provides shape and rigidity?	
A.	Protoplasm	C. Nucleus	
B.	Cell wall	D. Cell membrane	
17. Th	ne following are structures of a cell.		
A.	(i), (ii) and (iv)		
B.	(i), (iii) and (iv)		
C.	(ii) and (iii)		
D.	(ii) and (iv)		
18. W	hich one of the following fruits is an exar	mple of a drupe?	
A.	Avocado	C. Passion fruits	
B.	Tomato	D. Orange	
19. W	hich of the following is an example of a r	nodified root?	
A.	Irish potato tuber	C. Rhizome	
B.	Cassava tuber	D. Corm	
	hich one of the following activities takes ecycle of an insect?	place during the pupal stage in the	
	Hibernation	C. Organ formation	
	Feeding	D. Resting	
ъ.	recuing	D. Resting	
21. W	hich one of the following types of cells is	unspecialised?	
A.	Companion cell in plants	C. Meristematic cell	
В.	Red blood cell	D. Nerve cell	
22. W	hich one of the following is characteristic	of animal cells?	

	B. Cells consist entirely of cytoplasm		
	C. Have regular shape		
	D. Have large centrally placed vacuoles		
23.	Which one of the following structures separ A. Plasma	rates the nucleoplasm from cytoplasm?  C. Plasma membrane	
	B. The cell wall	D. The nuclear membrane	
2.4		71.0	
24.	Lack of protein in the diet of a child is response.		
	A. Kwashiorkor	C. pellagra	
	B. Marasmus	D. Rickets	
25.	Which one of the following expressions can power of a microscope?  The magnification of the eye piece  A. X the magnification of the objective lens  B. + the magnification of the objective lens  C. ÷ the magnification of the objective lens  D. – the magnification of the objective lens	s s	
26.	The bacterium <u>Treponema pallidum is</u> respo	onsible for causing	
	A. Syphilis	C. Cholera	
	B. Typhoid	D. Tetanus	
27.	Cocci bacteria are		
	A. Cuboid in shape	C. Rod-shaped	
	B. Spiral-shaped	D. Spherical shaped	
28.	Which of the following <b>does not</b> belong to 1	kingdom fungi?	
	A. A zotobacter	C. Mushrooms	
	B. Yeast	D. Puff balls	
29.	Which branch of biology deals with the stud	ly of plants?	
	A. Zoology	C. Cytology	
	B. Ecology	D. Botany	
30.	Which of the following is <b>not</b> a unicellular	_	
	A. Amoeba	C. Paramecium	
	B. man	D. Plasmodium	
SECTION B			
	Attempt all questions in the spaces provided		

A. Presence of cell walls

31. (a) Give two examples of organisms under the Kingdom Fungi. (02marks)

(b)	State four characteristics of fungi.	(04marks)
(c)	State four economic importances of fungi to man.	(04marks)
2. (a)	State three branches of biology.	(03marks)
(b)	State the characteristics of living things.	(07marks)
3 The	drawing below is of an instrument used in a laboratory	
3. The		
3. The	(ii)———————————————————————————————————	

(a)	(i)	Identify the instrument.	(01mark)
	(ii)	State the use of the instrument in a science laboratory	
(b) I		e parts labelled (i) – (ix) in the space provided on the dia	
(c) \	What are	e the functions of (i), (ii), (iv) and (vii)	
(	(i)		
(	(ii)		
(	(iv)		
(	(vii)		•••••
		e hints for handling a microscope.	
		SECTION C	
34. (a) iden		v a plant cell and label <i>only four</i> parts (organelles) which om the cell.	(05marks)
			•••••
	•••••		
	•••••		
	••••••		
	•••••		•••••
(b) (i)		e the one function of each of the labelled parts above.	(04marks)

(ii)			
(iii)			
(iv)			
(c) State three differences between a plant cell and animal cell. (06marks)			
Plant cell	Animal cell		