ZOOLOGY

1.	The following are the some of the parts of alimentary canal. Arrange them in a sequence from anterior region to posterior region to									
	A)Clac	ca	B)Oeso	ophagus		C)Gizz	ard	D)Crop E)Proventriculus		
	F)Sma	all intest	ine							
	a)B-D-	·E-C-F-A	A b)A-F	-C-E-D-	В	c)B-E-D-C-A-F d)A-C-F-E-B-D				
2.	Which of the following pairs are correctly matched? A. Crocodile- 4-Chambered heart B. Sea Urchin- Parapodia C. Obelia- Metagenesis D. Lemur- Thecodont a) Only A and B b) A, C and D c) B, C and D d) Only A and D Note the following:									
	(a Lymphocytes (b) Trophocytes (e) Leucocytes (f) Oenocytes Which of the above are fat cells in Peri					es	(c) Mo (g) Ura	•	Trophocytes	
						ripanata	?			
	(a) a, c	, e and h	(b) b, c	l, f and g	g (c) c, e	e, f and g	(d) a, c	, e and f		
4.	Match	n the fo	llowing	:						
	List-I					List-II				
	(A) Sandwich ELISA					(I) Thre	ee dimer	nsional image	2	
	(B) QRS Complex					(II) Sul	bstrate li	nked antibod	ly	
	(C) Allograft					(III) Ventricular depolarisation				
	(D) CT Scan The correct match is:					(IV) Transplantation between non-identical individual				
		A	В	C	D					
	(1)	II	I	IV	III					
	(2)	II	IV	III	I					
	(3)	I	II	IV	III					
	(4)	II	III	IV	I					
5.	The plasmid PBR 322 used In biotechnology is:									

(c) Parasite

(d) Cloning vehicle

(a) Yeast

(b) M32phage

7. A in	d) 3rd moulting	ng of microfilaria ng	ns in ascending or	dar basad an	
7. A in	e) exsheating d) 3rd moulting errange the followhich they c	of microfilaria ng llowing organisn	_	dar basad an	
7. A	d) 3rd moulting arrange the followhich they c	ig llowing organism	_	dar hasad an	
7. A in	rrange the fol which they c	llowing organisn	_	dar basad an	
in	which they c		_	dar basad an	41 1 6 1
A	. Starfish	TD (1			_
		B. Sea anemoi	•). Silverfish
a)	D-B-A-C	b)D-B-A-C	c)D-B-C-A	d).D-	A-B-C
a aı d.	ollowing five particular in Easily transinimals Osmotically roperties are:	located b.	ch (a - e) make it t Chemical non-rea synthesized during	ctive c. Ea	sily digested by
-	a) Both a & e	(b) Both b	& c (c) Bot	h b & d	(d) a, c & e
	a) It is the a organic maa) All are trub) Only 1 &2c) Only 2&3	atter e 2 are true	sumed by arobic ba	icteria for the	decomposition of
	d) Only 3&1				
	and dollar is				
a)	Echinodiscus (1997)	b)Salmacis	c)Cylpe	easter	d)Echinocardium

BOTANY

1.	Ma	tcl	n the f	ollowin	g					
			List-1					List-2		
	a	۱.	Peric	ycle				i) First formed primary xylen		
				ral cort					ound tissue	
			-	ınction	tissue			,	teral conduc	ction
	d	l.	Proto	xylem				-	teral roots	mour vulom
								v) Lau	er formed pri	mary xyiem
	The	co	rrect	match i	S					
			A	В	C	D				
	a	1)	V	iii	ii	i				
	b)	I	ii		iv				
	C	(:)	iv			i				
	d	l)	iv	ii	i	iii				
2.	Fur	ıct	ion of	compa	nion ce	lls is				
						lements	for acti	ive tran	sport	
				•					ve transport	
			_		o phloei		•		•	
	_		_		_	eve elen	nent			
_										
3.		_	_	_		the colo			=	4) I''-
	a) Cn	110	rophyll		b) Fuc	coxanthin	1	c)Algii	1	d) Laminarin
4.	A fa	als	e fruit	t is that	of					
	a) Ma	ang	go		b) Cas	shewnut	c)App	le	d) BrinjalAb	sence of nucleus
5.			T tot T			I tat II				
٥.			List-I			List-II				
			Form	of algae	<u>}</u>	Exam	ple			
	A) U	nic	cellulaı	r		1) Chl	amydon	nonas		
	B) C	olo	onical			2) Vol	vox			
	C) Fi	ila	mento	us		3) Ulo	thrix			
	D) M	las	sive pl	antbodi	es	4) Kelp	os			
						5) Spir	ogyra			

The	co	rrect	ma	tch	i
1116	w		ша		- 12

	A	В	C	D
a.	1	3	4	2
b.	1	2	3	4
c.	1	3	5	4
d.	5	2	3	1

6. A): Cycas exhibits coralloid roots

(R): Some adventitious roots of cycas grow aerially and look nlike corals

- a) Both (A) and (R) are true and (R) is correct explanation of (A)
- b) Both (A) and (R) are true and (R) is not correct explanation of (A)
- c) is true but (R) is false
- d) Both (A) and (R) are false

7. Identify the correct statement with regard to wood

- a) Alburnum is dark in colour
- b) Thickness of sap wood remains constant
- c) Thickness of heart wood increases with increase in age
- d) As time passes on sap wood gradually changes to heart wood

8. Phenomenon of preparing food from CO2 and water in the presence of sunlight is called

- a) chemotrophism
- b) orobanche
- c) autotrophism
- d) symbiosis

9. Read the table

	Reaction	Grana	stroma
a.	oxidation of water	\mathbf{V}	\mathbf{X}
b.	carboxylation	${f V}$	\mathbf{X}
c.	light reaction	${f V}$	\mathbf{X}
d.	reduction of CO2	${f V}$	\mathbf{X}

(v=occurs

(X=do not occur

Which of the above 2 reactions are shown correct places of occurrence

a).i&iii b).ii&iii c).iii&iv d).ii&iv

10. This is necessary for separation of sub units of ribosomes

a.IF1 b.IF2 c.IF1 & IF2 d.IF3

KEY:

1.C 2.A 3.B 4.C 5. 6.A 7. 8.C 9.A	10.D
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