ZOOLOGY

1.		50	50		In 1885	oarts of alim osterior reg	10 No. of the last	nal. A	rrange them in a
	A)Clac	ea	B)Oeso	ophagus		C)Gizzard	D)Croj	p	E)Proventriculus
	F)Sma	all intesti	ine						
	a)B-D-	E-C-F-A	b)A-F	-C-E-D-	В	c)B-E-D-C-A	A-F	d)A-C-	-F-E-B-D
	A. Cr B. Se C. Ol D. Le a) (b) A c) H d) (e- 4-Chain- Para Metager Thecode and B d D d D and D	ambere apodia iesis	are corre	ectly matched	1?		
		aphocyt ucocyte		(b) Tre f) Oenoe	ophocyte cytes		Monocytes Irate cells	(d) T	rophocytes
	Which	of the a	ibove ar	e fat ce	lls in Per	ripanata ?			
	(a) a, c	, e and h	(b) b, d	l, f and g	g (c) c, e	e, f and g (d) a	ı, c, e and f		
4.	Match	the fo	llowing	:					
	List-I					List-II			
	(A) Sa	ndwich l	ELISA			(I) Three din	nensional i	mage	
	(B) QR	RS Comp	olex			(II) Substrate	e linked an	tibody	
	(C) All	lograft				(III) Ventric	ular depola	risation	U
	(D) CI	Scan				(IV) Transpl	antation be	etween r	non-identical individual
	The co	rrect m	atch is :	Ē.					
		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 p			22 used 2phage		echnology is		oning ve	hicle



6.	In filarial worm,	sausage shaped lar	va is formed after	
	a) 1st moulting			
	b) 2nd moulting			
	c) exsheating of	microfilaria		
	d) 3rd moulting			
7.	in which they can	produce antimeres	S	sed on the number of planes
	A. Starfish	B. Sea anemone	C. Jellyfish	D. Silverfish
	a) D-B-A-C	b)D-B-A-C	c)D-B-C-A	d).D-A-B-C
8.	Carbohydrates ar	e commonly found	as starch in plant	storage organs. Which of the
	following five pro	perties of starch (a	- e) make it useful	as a storage material?
	a. Easily transloc	ated b. Chen	nical non-reactive	c. Easily digested by
	animals			
	d. Osmotically ina	active e. Synth	esized during photo	osynthesis The useful
	properties are:			
	(a) Both a & e	(b) Both b & c	(c) Both b &	d (d) a, c & e
9.	Following are the	statements about I	BOD	
	1) BOD is the	"water purity index	(''	
	2) A high BO	D indicates that the	levels of Do are incr	reasing
	3) It is the am	ount of O ₂ consume	d by arobic bacteria	for the decomposition of
	organic matte	er		
	a) All are true			
	b) Only 1 &2 ar	e true		
	c) Only 2&3 are	e true		
	d) Only 3&1 are	e true		
10.	. Sand dollar is			
	a) Echinodiscus	b)Salmacis	c)Cylpeaster	d)Echinocardium
			0000 40 50	
	700			
	Kev ·			

6.C

7.A

8.C

9.A

10 .A

5.D

2.D

1.A

3.B

4.D



BOTANY

1. Match the following

List-1

a. Pericycle

b. General cortex

c. Conjunction tissue

d. Protoxylem

List-2

i) First formed primary xylem

ii) Ground tissue

iii) Lateral conduction

iv) Lateral roots

v) Later formed primary xylem

The correct match is

	Α	В	\mathbf{C}	D
a)	v	iii	ii	i
b)	Ι	ii	iii	iv
c)	iv	iii	ii	i
d)	iv	ii	i	iii

2. Function of companion cells is

- a) provide energy to sieve elements for active transport
- b) loading of sucrose into sieve elements by passive transport
- c) providing water to phloem
- d) loading of sucrose into sieve element

3. The pigment responsible for the colour of brown algae is

- a) Chlorophyll
- b) Fucoxanthin
- c)Algin
- d) Laminarin

4. A false fruit is that of

- a) Mango
- b) Cashewnut c)Apple
- d) Brinjal Absence of nucleus

5. List-I List-II

Form of algae Example

- A) Unicellular 1) Chlamydomonas
- B) Colonical 2) Volvox
- C) Filamentous 3) Ulothrix
- D) Massive plantbodies 4) Kelps
 - 5) Spirogyra



The correct match is

	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	\mathbf{V}	\mathbf{X}
c.	light reaction	\mathbf{v}	\mathbf{X}
d.	reduction of CO2	\mathbf{V}	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 3. 0.A /. 8.C 9.A	10.I	9.A	8.C	7.	6.A	5.	4.C	3.B	2.A	1.C
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