				ZOOLO	GY		
1.	<ul><li>a) By lyin</li><li>b) By stori</li><li>c) By the p</li></ul>	g in the form ing water in opresence of the	of seeds lifferent p ne body	s over the dry	dy		ı, multiple epidermis
2.				U		als are 'tautor	•
	I) Spotted d	ieer II) Co	ommon Inc	dian Cobra	III)Bla	ck buck	IV) Snow leopard
	a) I and II or	nly b) I,II	land IV on	ly	c) I, II	and IV only	d) I,II,III and IV
3.	Following are statement regarding, organisms sharing spherical symmetry  1. They are spherical in shape  2. Organisms exhibiting spherical symmetry are planktonic forms & rare  3. Generally they are terrestrial  4. They have only dorsal and ventral surface						
				d) 1,2	and 3		
4.	Stinging and	imals were in	cluded in 1	the phylum			
	a) Porife	era b) Cn	daria	c) Nematoda		d) Annelida	
5.	Study the following statements regarding the polychaetes I. Gonoducts are absent II. Head is distinct with eyes, tentacles and pedipalps. III. Clitellum is present						
	The correct combination is						
	b. c.	Only I & II are Only II & III a Only I & III are All are correct	are correct re correct				
6.		post is forme ns . b) Eartwo	•	c) Round worm	ns	d) Blind worms	S

7. Match the following and choose the correct combination. List- II

I. Millipedes

**II.** Centipedes

III. Astacus

**IV Sarcoptes V** Eurypterus

VI. Dalmanites

List-1

A. Trilobita

C.Arachnida

D. Crustacea

E. Chilopoda F. Diplopoda

**B.** Merostomata

	A	В	C	D	E	F
a.	V	III	II	I	IV	VI
b)	VI	V	IV	III	II	I
c)	I	III	II	VI	IV	V
d)	II	VI	V	I	IV	III

- 8. Study the following statements about reptiles.
  - I.Cranial nerves are 12 pairs except in snakes.
  - II. Male animals possess copulatory organs except in crocodiles.
  - III. Mesonephric kidneys are present.
  - IV. These are uricotelic animals.

Which of the above are correct?

- 1) All except I 2) All except II & III
- 3) All except III .4) All except IV
- 9. The number of air sacs present in a bird is
  - a)3 b)6 c)9 c)18
- 10. 'Largest animal in world that feed on smallest planktons is the
  - a) Dolphin .
- b) Killer whale
- c) Bh1ewhale
- d) Sperm whale

KEY:

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

1.	Motile structures are						
	I. Cilia	II. Flagella	III. Fimbriae		IV Pili		
	a)I,II	b)I.III		c)II,III	d4)1,IV		

- 2. Arrange the chemical compounds formed in dark reaction on the basis of their formation from beginning to end of it.
  - 1. 1.fructose-1,6-diphosphate
  - 2. Phosphoglyceric acid
  - **3.** Dihydroxy acetone phosphate
  - 4. Ribulose biphosphate

a)2,3,1,4 b)1,3,2,4 c)1,2,3,4 d)4,3,2,1

3. Match the following

LIST-1

A.Agranal chloroplast

b.RUBP carboxylase oxygenase

c.Photsynthesis in both

ii.C3 plants

ii.C4 plants

iii.Photosystem-I Mesophyll & bundlesheathcells

d.Cyclic photophosphorylation

iv.bundle sheath cells

v.hotosystem-2

 $\mathbf{C}$ D A B a) i iv iii ii b) ii V iv i i ii c) iv iii d) iii i V iv

- **4.** Generally in laboratory , in the culture of rhixopus there is no formation of sygospore because
  - a) There is deficiencyof oxygen
  - b)There is deficiency of light
  - c)Absence of (+) or (-) strains in the mycelium
  - d) Presence of (+) or (-) strains in the mycelium
- 5. Root does not show

Plant

- a) Distinction of primary and secondary roots
- b) Distinction of nodes and internodes
- c) Tertiary roots and rootlets
- d) Endogenous branche
- 6. Select the correct combinations regarding poaceae

I) Saccharum officina rum -	Sap of stem	- Jaggery
II) Pennisetum typhoides -	grains	- Food
III) Cymbopogon citratus	- Stems	- Sugar

Part

Use

