Class: 11

Register			
Number			

REVISION EXAMINATION - 2023

Time Allowed: 3.00 Hours]	BIOL	OGY	[Max. Marks: 70						
	Part - I (Bio-Bota								
Section - I									
Note. (i) Answer All the que	stions.		8×1=8						
			our alternatives and write the						
option code and co	rresponding answ	er.							
4	h 6								
1 are called as Clu		a) Pasidiamysetas	d) Douteremynetes						
a) Ascomycetesb) 3The fruit wall is differentiated	zygumycetes into leathery enicarr	c) basidiomyceles —	d) Deuteromycetes						
a) Hesperidium b)	Pome	c) Ballista	d) Peppo						
3 takes part in photo	respiration and asso	ciated with alveolate	metabolism.						
		c) Ribosomes							
4. Assertion (A): Increase in	proton gradient insid	le lumen responsible	for ATP synthesis.						
Reason (R): Oxygen evolvir	ng complex of PSI loca	ted on thylakoid membr	ane facing stroma releases H+ ions.						
a) Both (A) and (R) are True		b) (A) is True, (R) is d) Both (A) and (R)	False.						
c) (R) is True, (A) is False			are false.						
5. Condensation of chromosome			d) Diplotono						
a) Leptoteneb) 16. Identify correct match	Zygotene	c) Pachytene	d) Diploterie						
1. Die back disease of Citrus	. – (i) Mo								
Whip tail disease	– (ii) Zn								
2. Whip tail disease3. Brown heart of turnip	_ (ìií) Cu								
4. Little leaf	_ (IV) B								
a) 1 (iii), 2 (ii), 3 (iv), 4 (i)		b) 1 (iii), 2 (i), 3 (iv),							
c) 1 (i), 2 (iii), 3 (ii), 4 (iv)		d) 1 (iii), 2 (iv), 3 (ii)	, 4 (i)						
7. The water potential of pure wa		h) the second	t. In an Albana and						
a) Less than zero		b) more than zero b d) Zero	ut less than one						
c) More than one8. Which of the following reaction		,							
a) Shifting of phosphate from		Cerb's Cycle.							
b) Splitting of fructose 1,6 bis		molecules of 3C con	npounds						
c) Dephosphorylation from the			P						
, , ,	SECTION								
II. Answer any four of the following			4×2=8						
9. Bryophytes need water for fer		r answer							
10. Differentiate between racemo									
11. List out the functions of cell w									
12. What is the importance of stu13. Define Photoperiodism	dying growth rings?								
14. What is Guttation?									
14. What is Gattation:	SECTIO	N – III							
III. Answer any three of the fo			is compulsory. 3×3=9						
15. Write the similarities and diffe									
16. Write short notes on Storage									
17. Describe the Structure of Stor									
18. Write the physiological effects									
19. Draw neat labelled diagram of	SECTION	ANI IV							
IV. Answer all the questions.	SECTION	/IT — IV	2×5=10						
20. a) Explain the steps involved	in Gram Staining	(OR)	20-10						
b) Give the floral characters		()							
21. a) i) Why is meiosis essentia		ucing Organisms.							
ii) Differentiate between S	-phase and G2- pha	se. (OR)							
b) Draw Krebs's cycles or TC	A cycle (Flow Charl	only)							

PART - II (BIO-ZOOLOGY) (Max. Marks: 35) SECTION - A

		x1=8
1.	The cross between male lion and female tiger results in production of	
2	a) Hinny b) Mule c) Tigon d)Liger Choose the wrong statement among the following	
	a) In earthworm, a pair of male genital pore is present	
	b) Setae helps in locomotion of earthworms	
	c) Muscular layer in the body wall of earthworms is made up of circular muscles and longitudinal muscles.	scles
3.	d) Typhlosole is part of the intestine of earthworm. Which acts as a reflex centre for vision and hearing?	
•	a) Emotional brain b) Brain stem c) Mid brain d) Corpora quadrigemina	а
4.	Assertion (A): Nuptial flight is a unique flight taken the queen bee followed by several drones.	
	Reason (R): The queen bee produces a chemical substance called pheromone. The drone that area are attracted to the pheromone and then mating takes place.	s in
	a) Both (A) and (R) are True b) (A) is True, (R) is False.	
	c) (R) is True, (A) is False d) Both (A) and (R) are false.	
5.	In human, the glomerular hydrostatic pressure is estimated to be	
6	a) 60mm/Hg b) 55mm/Hg c) 110mm/Hg d) 75mm/Hg Match the Column I with Column II and choose the correct answer	
0.	Column II	
	1. Small Intestine - (i) Largest factory 2. Pancreas - (ii) Absorption of water 3. Liver - (iii) Carrying electrolytic solution 4. Colon - (iv) Digestion and absorption	
	2. Pancreas - (ii) Absorption of water	
	4. Colon - (iii) Carrying electrolytic solution - (iv) Digestion and absorption	
	a) 1 (iv), 2 (iii), 3 (i), 4 (ii) b) 1 (iii), 2 (ii), 3 (i), 4 (iv)	
	c) 1 (iv), 2 (iii), 3 (ii), 4 (i) d) 1 (ii), 2 (iv), 3 (iii), 4 (i)	
7.	The mouth parts of cockroaches are directed downwards so it is	
8	a) Hypognathous b) Mandibulate c) Orthopterus d) Prothoracic Which character is not included in Cnidarians?	
0.	a) The polyp forms are sessile and cylindrical	
	b) The medusa are umbrella shaped and free swimming	
	c) Reproduce asexually by fragmentation and sexually by the formation of gametes.	
	d) Exhibit alternation of generations in their life cycle (Metagenesis). SECTION – II	
II.		x2=8
	Define cladogram.	
	. Some epithelia are Pseudostratified. Give reason	
	. What is Renal Failure. Mention its types . Distinguish between Frog and Toad	
	Write the role of Oestrogen in Ovuyulation.	
14	.Write the advantages of artificial insemination	
	SECTION – III Answer any 2 of the following questions including Q No 19 which is compulsory	×3=9
	Answer any 3 of the following questions Including Q.No.19 which is compulsory. List three features that characterise bony fishes.	×3-9
	. Write the rules of Nomenclature.	
	. Describe the Origin and conduction of heart beat.	
	. Pancreas is an Endocrine gland. Justify your answer. . Draw and label the structure of Neuron	
19	SECTION – IV	
IV.	Answer in Detail 2x5=10	
20	.a) Enumerate the characters of Phylum Annelida.	
	(OR)	
21	b) Explain how digestion takes place in small intestine.a) Explain the mechanism of muscle contraction (Flow chart).	
- '	(OR)	
	b) Describe the life cycle of Bombyx mori.	