QUARTERLY EXAMINATION - 2024

CLASS:XI

BIOLOGY :

Reg.No

Time: 3.00 Hours

BIO-BOTANY

MAX MARKS: 70 MARKS: 35

SECTION-I

		SECTION-I		•				
Ch	oose and write the correct answer.						8x1	=8
	Match the following		7	a) i) b	ii) c	iii) d	iv) a	
	i) Cholera - a) Mycobacteri			b) i)a	ii)c	iii) b	iv)a	
	ii) Typhoid - b) Vibrio choler	ae		c) i)b	ii)a	. iii)d	iv) c	
	iii) Pneumonia - c) Salmonella ty	phi .		d) i)b	ii)c	iii) a	iv) d	
	iv) Leprosy d) <i>Diplococcus</i>	pneumoniae		<i>e</i> •	•	,		
2.	The haploid number of chromosome for a endosperm would be	in angiosperm is	14, the nu	mber of			in its	*,
	a) 7 b) 14	c) 42			d) 28			
3.	Select the mismatch pair						,	-
	a) Musa-Unicostate b) Lablab - Trifoliol	ate c) <i>Acalypha</i> - I	Leaf mosaic	d) Alla	ımanda	- Terna	te phyllotax	y
4.	Flowers are zygomorphic in						1000	
	a) Ceropegia . b) Thevetia	c) Datur	ra		·d) So	lanum		
5.	Assetion: Chromatin is a viscous gelatin proteins and RNA					ne & no	n - histone	:
	Reason: H1, H2A, H2B, H3 and H4 are	the different hist	ones found	l in chro	matin			
	a) Assertion is True and Reason is False	b) Reaso	on is True a	and Ass	ertion	is False		
	c) Both Assertion and Reason are True	d) Both	Assertion a	and Rea	son ar	e False		
6. ·	The two subunits of ribosomes remain un	ited at critical ion	n level of				, *	
	a) Magnesium b) Calcium	c) Sodiu	m		d) Fer	Tous		
7.	Arrange the five substages of prophase I i	n Meiosis I			,			•
	a) Leptotene, Zygotene, Pachytene, D		inesis		1			
	b) Leptotene, Zygotene, Pachtene, Di							
	c) Zygotene, Pachytene, Diplotene, Dia							
	d) Pachytene, Diakinesis, Diplotene, Le					: .		
8.	Watson and Crick model of DNA double I				1			
	a) A b) C	c) H			d) B			
		SECTION-II	-					
An	swer any FOUR of the following.						4X	2=8
	Define - Virion							
10.	What is plectostele? give example							
11.	Compare Sympodial branching with M	Ionopadial bran	ching					
12.	Define - Resolution							
13.	Give short Note - Aggregate fruit.							
14.	Name the different types of RNA.		•					٠,
		SECTION-III			, ,	. 1		٠
	swer any THREE of the following. Qu		r 19 is co	ompuls	ory.		3X	3=9
	Differentiate haplontic and diplontic li							
	Taxonomic entities are classfied in three		re they?					
	How root climbers differ from stem cli		FE!	*				
	Write any three significances of mitosi		المستديد مالم					٠,
19.	Draw the structure of Polytene chromo	SECTION-IV	n the parts	S				
Δn	swer the questions.	SECTION-IV			9		2x5	-10
	a) Explain the difference types of flesh	v fruit with oui	table over	nnle	(OP		233	-10
20.		•	adic exal	npie.	· (OR	,		
04	b) Write the steps involved in Gram Sta	_						
21.	a) Write the properties of water (O				,			
	b) Write the botanical description of A	llium cepa						
				1 44	Ctd D	iology/D:	o Botony) -	4

MARKS: 35

BIO - ZOOLOGY

SECTION -

	SE	CTION - I	
	e: I. Answer all the Questions		8x1=8 .
II.	Choose most appropriate answer fron	n the given four alteri	natives and write the
	option code and the corresponding a	nswer	
1.	What taxonomic aid gives comprehensive in	nformation about a taxon	?
	a) Taxonomic Key b) Herbarium	c) Flora	d) Monograph
2.	Nephridia of Earthworms are performing th	e same functions as	
	a) Gills of Prawn b) Flame cells of Plan	naria c) Trachea of inse	ects d) Nematoblasts of Hydra
3.	Non-shivering thermogenesis in neonates p	roduces heat through	
	a) White fat b) Brown fat	c) Yellow fat	d) Colourless fat
4.	Presence of gills in the tadpole of frog indic	cates that	
	a) fishes were amphibious in the past		frog like ancestors
	c) frogs will have gills in future	d) frogs evolved from	
5.	Which of the following combination are no	ot matched?	
7	Column-I	Colum-II	
	a) Billrubin and	i. Intestinal biliverdin	juice
	b) Hydroysis of starch	ii. Amylases	
	c) Digestion of fat	iii. Lipases	
	d) Salivary gland	iv. Parotid	January and the second
6.	Which of the following substancs in tobac	co smoke damage the gas	exchange system?
	a) carbon monoxide and carcinogens	b) carbon monoxide a	and incotine
	c) carcinogens and tar	d) nicotine and tar	
7	Erythroblastosis foctalis is due to the destr		
	a) Foetal RBC's	b) Foetus suffes from	
	c) Foetal WBCs	d) Foetus suffes from	mianmata
8			
	a) Outer wall of Bownman's capcule	b) Inner wall of Bow	
	c) Neck of nephron	d) Wall glomerular c	apillaries
		SECTION-II	4.2-2
	Answer any 4 questions	results B	4x2=8
	. What are extremophiles?		The Tree work
	0. Comment on the functions of salary musc	cles?	
	1. Differentiate between peristomium and p	rostomium inearthworm	1 4 54× · 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	2. Define Glisson's capsule	FARD IN NO.	
	3. What are flame cells?	1: 3 - 0	
	14. Why is pneumonia considered a dangero	us disease?	188-5
	O watten No	SECTION-III	22-0
	Answer any 3 questions. Question No	.19 is compulsory.	3 x3=9
	15. Compare closed and opened circulatory	system	
	16. How does the make frog attracts the fem	latefor mating?	
	17. Bile juice contains no digestive enzymes	s, yet it is important for a	igestion why?
	18. Name the three pair of salivary glands w	ith their duets	
	19. Some epithelia are pseudostratified wha	t does this mean?	
		SECTION-IV	0.5-40
	Answer All the questions:		2x5=10
	20. Write the characteristics that contributes	s to the success ofreplies	M.Poovarasan M.Sc B,Ed
	Distinguish between arteries and veins	cc (OD)	PG Asst in chemistry
•	21. Explain the female reproductive system		Dharmapuri district
	Explain about digestion in the small int	estine	11-Std - Biology(Bio-Zoology) Page-2

Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com