COMMON QUARTERLY EXAMINATION - 2024 - 25

Time Allowed: 3.00 Hours	OLOGʻ	Y		[Max. Marks: 7
Part - I (Bio-		- 1		
Note. (i) Answer All the questions.	7			8×1=
(ii) Choose the most appropriate answe	er from the	given four alte	rnatives an	d write the optio
code and corresponding answer.		, , ,		
Identify the Archaebacterium.		County of par		
a) Acetobactor b) Erwinia	(c)	Treponema	d) Met	hanobacterium
2. Which of the following is vascular Phenarogan			,	
a) Pteridophytes b) Bryophytes		Angiosperm	d) Alga	ae
3. Composite fruit develops from			es and est	1. D. T. B. L. C. C.
a) Multicarpellary ,Opocarpous ovary	b) I	Multicarpellarysyncarpousovery		
c) Multicarpellaryovery	d) \	Whole Inflorescence with its peduncle.		
4. Identify wrongly matched pair.				
a) Buttress root Delonixregia	b) I	Pillar root	Zea May	S
c) Clinging root Piper betel	d) :	Stilt root	Saccharu	mafficinarm
5. Centromere is required for				
a) Transcription	b) (crossing over		1 14 16
c) Cytoplasmic cleavage	d) I	Movement of ch	romosome t	owards pole
6 All are membane bound organelle, except	A comment.			
a) Mitochondria b) lysosomes	c) (Glyoxsomes	d)	Ribosome
7. Which of the following is a flowering plant with	nodules cor	ntaining nitroge	n fixing or mi	croorganism?
a) Crotalaria juncea b) Cycusrevoluta		Casuarinaequtis	setifolia d)	Cicerarietinum
8. The bond between two amino acid is				
a) Peptide Bond b) Glycosidic Bo	nd c)	Hydrogen bond	d)	lonic bond
	ECTION - 2			
II. Answer any four of the following question	s.			4×2=8
9. What is lichen?				
10. What is holo enzyme?				
11. Mention two character shared by gymnosome	s and angios	sperm.		August 1981
12. Draw floral diagram of Allium cepa				
13 How are Geocarpic fruits formed?		() () () () () ()		
14 Differentiate Eusporangiate from leptosporang	iate.			
	SECTION - 3			
III. Answer any three of the following question	ns. Q.no 19	is compalsary	· Our just	3×3=9
15. Write shorts notes about Go phase.				
16. Draw and label the ultra structure of Bacterial	cell.			
17. Write the properties of Enzyme.	A. 16 7 1854			
18 Differentiate Racemose and Cymose.				
19 What is Placentation? Write its types.	to do and in			
SE	ECTION - 4			0
IV. Answer all the Questions.				2x5=10
20.a) Tabulate Bentham Hooker classification.				
(OR)	1100	1979		
b) Differentiate Gram Positive Bacteria from 0	Gram Negati	ve Bacteria.		
21 a) Differentiate Mitosis from Meiosis.				

(OR)
b) Explain the structure and Functions of different types of RNA.

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

I.	Choose the correct answer.			8x1=8
1.	A group of organisms having similar traits of a ra	nk is	TAPRE	0.1-0
	a) Species , b) Taxon		enus	d) Family
2.	Sea anemone belongs to phylum	- 1.60		a, railing
	a) Protozoa b) Porifera	c) C	oelenterata	d) Echinodermata
3.	match the following columns and select the	corre	ect option.	d) Editinode mata
	Column – II		i probabligation	
	(p) Pila - (i) Devil fish		a Mary manks	
	(q) Dentalium - (ii) Chiton			the first of the same of the
	(r) Chaetopleura - (iii) Apple spail			
	(S) Octopus - (iv) Tusk shell			
	a) P-(II), q-(I), r- (iii), s - (iv)	h) n	(iii) a_(iv) r_ (ii)	s (i)
	c) p-(II), q- (iv), r- (i), s-(iii)	b) p (iii), q-(iv), r- (ii), s (i). d) p-(i), q-(ii), r- (iii), s- (iv).		
4	The ciliated epithelium lines the	u) p	(1), 9-(11), 1- (111),	5- (IV).
	a) Skin b) Digestive treet	c) G	all bladder	d) Trackes
5.	The location and numbers of malnighton tubulan	:- D-	rinlaneta	d) Trachea
	and pindion of fillionin and pindant about	4	ripiarieta.	
	b) At the junction of foregut and midgut about	150		
٠.	c) Surrounding dizzard, eight		the junction of	colon and rectum, eight.
6.	The sphincter of Oddi guards	۵) ۸	tine junction of t	colon and rectum, eight.
	a) Hepatopancreatic duct	b) C	ommon bile duct	
	c) Pancreatic duct	4) 0	ystic duct	
7.	Which of the following is not the function of liver	າິ ິ	your duct	
	a) Production of insulin b) Detoxification		torage of glycoge	en d) Production of bile.
8.	It is characterized by Chronic Breathlessness?	16	iologo or glycogo	en a) Production of bile.
	a) Pneumonia b) Bronchitis	c) E	mphysema	d) Tuberculosis
	SECTION	N - II		d) Tuberculosis
II.	Answer any 4 Questions :Question NO. 14 is	s Com	pulsory.	4x2=8
σ.	vvily mule is Sterile in Nature?			482-0
10	O. Write down any two common characterise of Phy	ylam A	nnelida.	
L.	 vvny blood is considered as a typical connective 	Tissue	e?	Marie repaired at all the
14	2. Comment on the functions of Alary Muscles?	11.		
13	3. Why do some people Snore?			
14	4. How do Proteins differ from fats in their energy v	value a	and their role in the	he body?
	SECTION	N - III		
111	. Answer any 3 Questions: Question NO. 19 is	s Com	pulsory	3x3=9
13	5. Differentiate between Probiotics and Pathogenic	Bacte	eria.	
	6. Compare closed and opened Circulatory System			
	7. Differentiate white Adipose Tissue from brown Ad	dipose	Tissue.	
	8. Write down the Economic importance of Frog			
1	9. Why is Pneumonia considered a Dangerous Dis			
	SECTION	N - IV		
	Answer the Questions :			2x5=10
20	D. a) Differentiate between chordates and non-ch	ordate	S	
	(OR)	1.77	,	
_	b) What is an epithelium? Enumerate the chara	acterist	tic features of dif	ferent epithelia.
2	1. a) List out the function of Liver.			
	(OR)			
	b) Tabulate the Events in Inspiration and Expira	ation		
			· · · · · · · · · · · · · · · · · · ·	

V/11/Bio/2