Total No. of Questions: 6 Total No. of Printed Pages:2

Enrollment	No
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Faculty of Science End Sem Examination May-2024 FS3EG05 Zoology

Programme: B.Sc. (Hons.) Branch/Specialisation: Forensic

Science

Duration: 3 Hrs. Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

Q.1	i.	Linnaeus is credited for intro	oduction of-	1
		(a) Binomial system of nom-	enclature	
		(b) The principle of independent assortment		
		ce of acquired characters		
		(d) All of these		
	ii.	Canal system found in which	h phylum.	1
		(a) Porifera	(b) Coelentrata	
		(c) Protozoa	(d) Arthropoda	
	iii.	iii. Echinoderms and chordates have-		1
		(a) Pseudocoelom	(b) Schizocoelom	
		(c) Enterocoelom	(d) Haemocoel	
	iv.	Trochophore larva occurs in	-	1
		(a) Annelida and Porifera		
		(b) Coelenterata and Annelia	da	
		(c) Mollusca and Coelentera	ıta	
		(d) Annelida and Mollusca		
	v.	Branchiostoma belongs to-		1
		(a) Urochordata	(b) Hemichordata	
		(c) Cephalochordata	(d) Protochordata	
	vi.	Golden age of reptiles is-		1
		(a) Palaeozoic	(b) Mesozoic	
		(c) Coenozoic	(d) Proterozoic	

P.T.O.

[2]

	vii.	Leish mania donovani belong to in which phylum?				
		(a) Porifera (b)	Coelentrata			
		(c) Protozoa (d)	Arthropoda			
	viii.	• • • • • • • • • • • • • • • • • • • •				
		(a) Trypanosoma (b)	Ascaris			
		(c) Liver fluke (d)	All of these			
	ix.	Covid-19 caused by-		1		
		(a) Virus (b) Bacteria (c)	Protozoan (d) Helminths			
	х.	Major useful product obtained from	om microbes.	1		
		(a) Vitamine (b)	Single cell protein			
		(c) Antibiotics (d)	All of these			
Q.2	i.	Write any two special characteristics of phylum Protozoa.		2		
	ii.	Write classification of phylum porifera up to class.				
	iii.	Describe life cycle of plasmodium in detail.				
OR	iv.	Draw a labelled diagram of life cycle of faciola heapatica. 5				
Q.3	i.	. Write form enoughes of abrilian annellide				
Q.5	ii.	Write four examples of phylum annelids. Describe water vascular system of starfish in datail				
OR	iii.	Describe water vascular system of starfish in detail.				
OK	111.	Write classification of phylum Annelids up to class with examples.				
Q.4	i.	Write three differences between posinous and non posinous snake.				
	ii.	Write essay on migration of birds with characters of aves.				
OR	iii.	Write essay on migration of birds with characters of aves. Describe parental care of amphibians in detail.				
Q.5	i.	What is parasite? Write down four examples of parasites.				
	ii.	Write down diseases, diagnos	is, treatment and prophylaxis of	6		
		leishmania donovani.				
OR	iii.	Write down diseases, diagnos	is, treatment and prophylaxis of	6		
		trypanosome gambiense.				
0.6		Attampt any two				
Q.6	:	Attempt any two:	rigultura fiolds	5		
	i. ::	Write an essay on microbes in agriculture fields.				
	ii. :::	State the role of virus on human		5		
	iii.	Write an essay on microbial gene	CIICS.	5		

21/05/24. FS3EGOS (Zorlogy). Scheme 1. (a) Linomal system of nomenclature. 2 (a) Porifera 3. C Enterocoelom. 4. (a) Junelida & Mollusca 5. (b) nemchordala 6. (b) Mesozoie. FICI Protozoan Thypamosoma 8.(a) viens. 9. (or All of these 10(01) (i) - Any 2 pointe - 2 M Q-2 (ii) 2-3 prints - 1 M. classification - 2 M classes (4) - (£ eg nislory, Diagram | flow charl quije (111) cycle -1 \$3 M Main Causes - 1M Introduction - 119 nistery; Diagrami | flowchart - 34. (iv) your causes - EM. 4 eg - [0:5 each] systematic order - 4M. greais star fish dabel diogram - =19: Laselled diagram q waler dasular-Ay. Discuss - 3M. general characterstics -(111) classification - 2M. Example - 24. Sprink Megration. of Ruds. - 4M. general characlès fies - 3M. Introductions of parental care - IM Types of parental case. - 5M.

Impostances - + M Défination. - 1 M. 4 lexamples/Types of parasile - 3 M. (Leishmania) (ii) Introduction - #M.
History - IM.
suftreatment - IM. Life yule - 3M Trypanosome gambinse Introduction - 14. History - IM. structure Treatment - IM, life yell -34. Microber - IM: Agriculture uses of microbes - 44 (11) Visus - LM ... Role of views in human health - 4M, 1 "11" Entroduction - I M. DNA & KNA EW. - 3M. Fort importan - IM.