1 9 OCT 2019

M. Sc.(Zoology) Semester - I Examination October- November - 2019

Zoology F	Code - 20470 Paper: Zoo o3 Tatal Marks - 3		
Time: 2.5	Intalivials = 7	,	
Instruction	n: 1) Attempt all questions		
	2) Figures on right indicate the marks.		
	3) Draw labeled diagram wherever required.		
Q. 1 A.	Explain the process of Hematopoiesis.	14	
Q. 1 A.	OR		
A 1.	Write a brief account of blood clotting in human.	07	
A 2.	Explain conduction of heart beat.	07	
7.2.		0.4	
Q. 1 B.	Answer in Brief (any four)	04	
1	What is the normal temperature and pH of human blood?		
2	atmospheric andalveolar pressure occur during inhalation.		
3	Write name of electrolytes found in blood plasma.		
4	Define: Homeostasis.		
5	Define: Anticoagulants with example.		
6	What is conducting zone in context of respiratory system?		
0.24	Explain absorption. Write in detail about carbohydrates and lipid absorption in GI tract.	14	
Q. 2 A.	OR		
A 1.	Write a short note on major enzyme involve in protein digestion.	07	
A 2.	Explain Urea Cycle.	07	
A 2.	Explain Court	0.4	
Q. 2 B.	Answer in Brief (any four)	04	
1	Write the function of Calcitriol.		
2	What is NFP in Kidney?		
3	Write the full form of MALT in lamia propria of GI tract.		
4	Write down major enzymes present in pancreatic juice.		
5			
6	What is Haustral churning?		

Q. 3 A.	Explain the coordination of endocrine and nervous system in vertebrates. OR				
A 1.	Write not on types of muscles co			07	
A 2.	••				
Q. 3 B.	. Answer in Brief (any three)				
1	Define the word Muscle fatigue.				
2	Dark band of thick filament of muscles fiber know as				
	A. I – Band B. Z – Band	C. A – Band	D. All		
3	Hormone regulates the	process of met	abolism.		
	A. JH B. ADH	C. GH	D. GTH		
4	Hormones which secreted from	_	own as		
	A. Protein B. Steroid	C. Peptides	D. Amines		
5	Hormone which secreted from posterior pituitary gland.				
	A. GH B. ADH	C. MSH	D. LH		
Q. 4A.	Explain photoreceptor and phon	oreceptor in de	tail.	14	
		OR			
A 1.	Write a short note on equilibrium receptor.				
A 2.	Explain thermoregulation in poikilotherms.				
Q. 4B.	Answer in Brief (any three)				
1	Name the mechanosensitive present in an insect.				
2	Define: Olfaction.				
3	L cones are also known as				
4	Lymph is found in the cochlea duct.				
5	Write any two type of lateral line mechanoreceptor.				