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SUBJECT CODE NO:- B-2175 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. S.Y (Sem.-IV) Examination OCT/NOV 2019 Zoology Paper- XI

Animal Physiology (Special Emphasis on Mammals) [Time: 1:30 Hours] [Max.Marks:50] Please check whether you have got the right question paper. N.B 1. Attempt all questions. 2. Illustrate your answer with suitable labeled diagram. **Q.1** Explain in detail salivary secretion and digestion. 20 What is respiration? Explain breathing mechanism. **Q.2** 20 Give in detail account on gametogenesis OR Write short notes on **any four** of the following a) Smooth muscle b) Structure of nephron c) Testosterone d) Neurotransmitters e) Structures of nerve cell f) Muscle fatigue **Q.3** Multiple choice questions 10 1) PH of human blood ranges between ----a) 7.35-7.45 b) 6.9-7.00 c) 6.5-7.35 d) 7.00-7.2 2) Carboxyhemoglobin is formed when ----a) CO₂ combines with haemoglobin b) Carbon monoxide combines with hemoglobin c) Nitrogen combines with hemoglobin d) Carbon monoxide and carbon dioxide combines with hemoglobin 3) Bundle of his are located in the -----a) Inter ventricular septum b) Inter auricular septum c) In the wall of right ventricle d) In the wall of left ventricle

4)	One of the digestive juices that lacks enzymes but aids digestion is			
ĺ	a)		b)	
	c)	Chyme	d)	Chyle
_\				4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5)	The naturally occurring anti-coagulant is the human blood is			
	a)			Fibrirogen
	c)	Heparin	d)	Serotonin
6)	The	middle piece of sperm contains		
	a)		b)	Nucleus
	c)	Mitochondria	d)	Centriole
7)	Harmones from pituitary gland includes			
• ,	a)	.0.0	h	Estrogen
	c)	Progesterone		All of the above
	C)	Trogesterone	a)	All of the above
8)	Glottis is a opening present in the froor of			
	a)	Diaphragm	b)	Mouth
	c)	Pharynx	d)	Trachea
9)	Space where oxon comes in functional contact with dendrite			
	a)			Synapse
		Neuronrotor junction	~~	Motor and plate
10`	Fro	m blood the urea is removed by		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
10,	a)	Intestine	b)	Spleen
	c)	Stomach	C CV	Kidney
	C)	Stomacii	AU /	TYTUTE