Total No. of Printed Pages: 2

SUBJECT CODE NO: - SS-6547 FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (Zoology) (Sem-IV)
Examination May / June - 2023
General and Comparative Physiology ZOO-402

[Tim		[Max. Marks: 8
	Please check whether you have got the right question paper.	9F) (F)
N. B	 All questions carry equal marks. Attempt any five questions from part B. 	The The Toler
	Part A	
Q1	Attempt the following multiple choice questions 1) Which of the following is a function of the kidney. a) Release of hormones b) Maintenance of plasma pH c) Maintenance of pH(Electrolyte) d) All of these	20
	2) Which of the following is not required for the light independent reaction a) NADPH b) ATP c) Oxygen d) RuBP a five carbon sugar	
	 3) During ovulation all of the following occur except a) Rapture of graffian follicle b) Corpus luteum is formed c) Estrogen production reaches its lowest point d) FSH and LH plasma level surge 	
	 4) Which hormone bind to intracellular receptor a) Insulin b) Growth hormone c) Triiodothyronine d) Thyroid stimulating hormone 	
	5) The tidal volume in normal man at rest is about a) 0.5 L b) 1.2 L c) 2.5 L d) 4.9 L	
	6) Radioactive iodine can be incorporate into a) Serine b) Threonine c) Tyrosine d) Leucine	
	7) The receptor for which of the following hormone is a transcription factor a) Insulin b) Glucagon c) Estradiol d) Adrenaline	:
	8) The majority of reabsorption occurs in the a) Renal capsule b) Proximal convoluted tubule c) Collecting duct d) Ascending limb of the loop of Henle	

	9) The gall bladder				
	a) Produce bile b) Is attached to pancreas			
	c) Store and concentrate bile d	Produce cholecystokinin			
	10) The fighter fight response is develop	ped by the hormone of the			
	a) Hypothalamus b) Adrenal medulla				
	c) Adrenal cortex d) Adrenal p	pancreatic complex			
		Part B			
Q2	Explain excretory system with neat and	labelled diagram and their regulation	12		
Q3	What are digestion? Explain coordination of digestive activities 12				
Q4	Describe Growth, molting and metamor	phosis in the vertebrates	12		
05	Define regulation Differentiate between	an aquatic and areal breathing with suitable	12		
Q5	example	en aquatic and areal breathing with suitable	12		
Q6	Describe the comparative anatomy of he	eart structure	12		
Q7	Explain oxygen as limiting factor in the	environment	12		
Q8	Attempt any two		12		
	a) Write a short note on coagulation of				
	b) Comparative physiology of excretion				
	c) Regulation of electrolyte balance an	d acid base balance			
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	(a) (b) (b) (c)				
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