

b) Parathyroid gland

a) Renal cortex b) Renal medulla c) Renal pyramid d) Renal pelvis

8) The Bowman's capsules are found in ___

SARDAR PATEL UNIVERSITY

M. Sc. (Integrated) Biotechnology – Sixth Semester Examination Saturday, 9th April, 2016 2:30 p.m. to 5:30 p.m. PS06CIGB06: ANIMAL PHYSIOLOGY

N	ote: 1. 2.	Figures to the right indicate mark Draw diagram wherever necessary		eutrat environd final eur grou envela. Canada final a agros a la final a es	
	3.	For MCQ's, students should write both correction	ect option a	and correct answer against the c	hosen
				TOTAL MA	RKS: 70
Q.	.1 Tid Imbe	ck mark / select the correct answer for the follow or needs to be written in provided answer book	owing. (<i>Onl</i>	ly correct option against given qυ (08	iestion Marks)
1)	Wh a) b)	nich of the following is not considered to be an teeth rectum	accessory c) d)	organ of the digestive system? pancreas gall bladder	
,					
2)	Pro a) b)	oduction of bile is one of several important fun Small intestine Gall bladder	ctions of th	e	
		Liver			
		Pancreas		1	
3)	a)	ich factor neutralizes the effect of heparin dur Fibrinogen	ing blood c	lotting?	
	b)	Thromboplastin Fibrinstabilising factor			
	d)	Labile factor			
4)	a)	vein carry oxygenated blood			•
	b)	Superior vena cava			
		Coronary sinus			
	d)	Pulmonary vein		peruah dagadatka perlambah (8	
5)	Thre	eshold value for formation of nerve impulse is			
	a)	-55 mV	c) ·	-45 mV	
	b)	-70 mV	d)	+30 mV	
		\$17.a			
3)	Axo	n carries nerve impulse			
	a) .	Away from the cyton	c) .	Through the cyton	
	b)	Towards the cyton	d) I	None of these	
7)	\\/hi	Sh gland regulates the UDistantial Out to			
,	a)	ch gland regulates the "Biological Clock" of hu Adrenal gland			
	E .	Danethornita	C) I	Pineal gland	

d) Thyroid gland

Answer any seven from the following: 0.2 14 Enlist the organs of digestive system in sequence. Narrate about gastric gland. Write about anti-coagulating substances. c) Enlist the functions of blood. d) e) Give the types of ion channels. Write about graded potential f) g) Enlist the functions of Kidney. Write the differences between exocrine glands and endocrine glands. h) Write the physiological effects of ADH on urine formation. i) Write an explanatory note on Salivary glands. Q.36 Explain the structure and functions of pancreas. **(B)** Describe the process of digestion in small intestine. Describe the structure and composition of blood. Q.4 6 Write an explanatory note on blood clotting factors. 6 (B) Explain four chamber heart with suitable diagram. 6 Q.5 Describe the structure of neuron with suitable diagram. 6 What is nerve impulse? Explain the different phases of nerve impulse formation. (B) Enlist the different parts of brain and with detailed function (B) Explain the structure of kidney with a neat labeled diagram. 0.6 (A) Describe the structure of pituitary gland. Give a brief note on its endocrine secretions. **(B)** OR **(B)** Write short notes on the following: (i) Net Filtration Pressure (ii) Adrenal Cortex