PARUL UNIVERSITY FACULTY OF APPLIED SCIENCE B.Sc. Winter 2017-18 Examination

Enrollment No:_____

B.Sc. Winter	2017-18 Exa			
Semester: 4			Date: 10/05/2018	
Subject Code: 11103203			Time: 02:00PM TO 04:30PM	
Subject Name: Animal Physiology		Total Marks: 60		
Instructions: 1. All questions are compulsory.				
2. Figures to the right indicate full marks.				
3. Make suitable assumptions wherever necessary.				
4. Start new question on new page.				
Q.1. A) Explain the working of heart as a pump.			(08)	
Q.1. B) Answer the following questions (Any two)			(04)	
(a) Draw a well labeled animal cell and give the functions of any 2 organelles.(b) Give the schematic representation with diagram: Mechanism of conduction of nervous			(04) (04)	
impulse.	lagram. Mech	nament of conduction of hervous	(04)	
(c) Draw a flow chart: Digestion of carbohyd	Irates		(04)	
Q.2. A)Answer the following questions.	nates		(04)	
(a) Fill in the blanks.			(04)	
1. The cell is the and	unit	of life	(* -)	
2 is needed to activate	in the s	tomach for protein digestion.		
(b) Short note: Types of passive transport.			(04)	
Q.2. B)Answer the following questions (Any two)				
(a) Multiple choice questions.			(03)	
1. Blood group AB +ve can donate blo	ood to			
(A) AB	(B)	AB-ve		
(C) AB+	(D)	0		
2. Thrombin is inhibited by				
(A) Prothrombin	(B)	Plasmin		
(C) Fibrin	(D)	Antithrombin		
3. Cardiac muscle is				
(A) Striated	(B)	Branched		
(C) Interconnected	(D)	All of the above		
(b) Draw the urinary system and state any 2 f			(03)	
(c) List out the various hormones associated	to the pituita	ry gland.	(03)	
Q.3. A)Discuss urine formation.			(08)	
Q.3. B)Answer the following questions (Any two) (a) Differentiate between CNS and PNS.			(04)	
(b) Differentiate between the different types of granulocytes.			(04)	
(c) Short note: Saliva	of granuloey		(04)	
Q.4. A)Answer the following questions.			(01)	
(a) Short note: Lobes of cerebrum.			(04)	
(b) Short note: Thyroid gland.			(04)	
Q.4. B)Answer the following questions (Any two)				
(a) Multiple choice questions.			(03)	
1 is not a type of epithelial tis				
(A) Squamous	(B)	Columnar		
(C) Circular	(D)	Simple		
2 is a conventional neuroper				
(A) Glu	(B)	Endorphin		
(C) ATP	(D)	Gly		
3. T lymphocytes are associated to which	-			
(A) Thymus	(B)	Pancreas		
(C) Parathyroid	(D)	Pineal		
(b) Draw the hemoglobin structure.			(03)	
(c) Discuss micelle formation.			(03)	