Seat No:

Enrollment No:

PARUL UNIVERSITY

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

Semester: 3 Date: 01/01/2018

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.

(c) Differentiate between afferent and efferent nerves.

4. Start new question on new page.

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Q.1. A) Describe the various components of blood.	(08)
Q.1. B)Answer the following questions (Any two)	
(a) Differentiate between different types of muscles.	(04)
(b) Explain: Mechanism of conduction of nervous impulse.	(04)
(c) Draw a flow chart: Digestion of proteins	(04)
Q.2. A)Answer the following questions.	
(a) Differentiate between intrinsic and extrinsic pathway.	(04)
(b) Short note: Na ⁺ /K ⁺ ATPase pump.	(04)
Q.2. B)Answer the following questions (Any two)	
(a) Discuss micelle formation.	(03)
(b) Name the different pericardial layers of the heart.	(03)
(c) Draw a well labeled diagram of the nucleus.	(03)
Q.3. A)Explain the various parts of the brain in detail.	(08)
Q.3. B)Answer the following questions (Any two)	
(a) Discuss urine formation.	(04)
(b) Differentiate between positive feedback and negative feedback	(04)
(c) Short note: Neurons	(04)
Q.4. A)Answer the following questions.	
(a) Short note: Spinal cord.	(04)
(b) Draw the digestive system.	(04)
Q.4. B)Answer the following questions (Any two)	
(a) List out the various hormones associated to the Thyroid gland.	(03)
(b) Define hygroscopy with an example.	(03)

(03)