

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY
SCHOOL OF PHARMACY
B.PHARM FIRST SEMESTER

FIRST INTERNAL THEORY EXAMINATION: 2018-19

Subject Name: Human Anatomy and Physiology

Subject Code: BP101T

Time: 10:00 am to 11:30 am

Date: 27/9/18

Total Marks: 30

Instructions:

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q. 1 Objective type Questions:

1. Define diffusion. Differentiate between diffusion and osmosis. 02
2. Define Cell. Describe the role of plasma membrane in cell. 02
3. Differentiate between autocrine and paracrine hormones. 02
4. Define endocrinology and name the hormones secreted by anterior pituitary and posterior pituitary gland. 02
5. Describe the role of sclera and lacrimal apparatus. 02

Q.2 Long Answers: (Any one)

- (1) Draw the diagram of fluid mosaic model. Describe the events involved in Somatic cell division. 10
- (2) Differentiate between autocrine and paracrine hormones. Describe the events involved in the formation of thyroid hormones by the thyroid gland and also explain the Renin-Angiotensin-Aldosterone (RAS) System. 10

Q. 3 Short Answers: (Any two)

- (1) Differentiate between channel mediated and carrier mediated diffusion. Describe the factors that can effect the diffusion process. 05
- (2) Name the hormones secreted by pancreas and explain insulin maintain the Hyperglycaemia. 05
- (3) Describe the events involved in physiology of vision. 05