

Ref. No.: EX/PHARM/T/216/2019

B. Pharm. 2nd Year 1st Semester Examinations 2019

Time: 3 hours

Subject: Human Anatomy and Physiology-II

Full Marks: 100

GROUP - A (Answer any *five* questions)

1. Write down the structure and function of alimentary canal. Mention the function of digestive system. Write the composition and function of saliva. 10+4+6=20
2. Write short notes on (**any two**) 10+10=20
 - a. Liver
 - b. Gastric Juice
 - c. Hernia
3. Write down the structure and function of Epidermis. Define the term hypothermia and hyperthermia. Write shortly about transport of gases in the blood stream. 10+4+6=20

Ref. No.: Ex/PHARM/T/216/2019; Dated: 27/11/2018
Name of Examination: B.PHARM 2nd yr, 1st Sem. Exam. 2019

Subject: HUMAN ANATOMY AND PHYSIOLOGY - II

Time: 3 hrs; Full Marks:100

Clearly mention the question number and part number for each answer.

GROUP - B

Q4) Write short note on the following:

- (a) Medulla Oblongata;
- (b) Generation of Nerve Action Potential;
- (c) Maintenance of Resting Membrane potential;
- (d) How nerve action potential propagates through nerve fiber (Myelinated and Non-myelinated)?

----- 5+6+4+5

Q5) Write short note on the following:

- (a) Draw and label a typical section of spinal cord explaining Reflex Arc;
- (b) Brain Ventricles;
- (c) Basic characteristics for a neurohumoral transmitter;
- (d) (i) Types of Glial Cells in human ; (ii) Meninges

-----4+6+4+6

Q6) Write short note on the following:

- (a) Cerebrum (with diagram);
- (b) Types and functions of Nerve Growth Factors;
- (c) CSF

----- 6+9+5