

**B. Pharm. 2<sup>nd</sup> Year 1<sup>st</sup> Semester Examinations 2019 (Old)**

**Time: 3 hours**

**Subject: Physiology**

**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
  - d. Pancreas
  - e. Gastric Juice
  - f. Hernia
  
3. Define the term hypothermia and hyperthermia. How body temperature is regulated? Mention the different muscle involved in respiration. 4+10+6=20

**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