

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**B.Pharm., Summer 2017-18 Examination**

**Semester: 2****Subject Code: 08101154****Subject Name: Human Anatomy, Physiology and Health Education-II****Date: 29/05/2018****Time: 10:00 am to 1:00 pm****Total Marks: 75****Instructions:**

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

**Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)**

1. Define reflex action. Draw a neat and labeled diagram of Spinal cord. Explain functions of hypothalamus.
2. Name the hormone stored in posterior pituitary gland. Explain the functions of each of these hormones. Discuss anatomy and physiology of supra renal glands.
3. Explain anatomy of Female reproductive system with neat and labeled diagram. Write a short note on spermatogenesis.

**Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)**

1. Write composition and functions of CSF.
2. Write actions and disorder related to Insulin.
3. Write a note on first aid treatment in poisoning and resuscitation methods.
4. Define internal respiration. How does exchange of gases take place at lung and tissue level during respiration?
5. Draw neat and labeled diagram of Nephron.
6. Draw neat and labeled diagram of cross section of human ear.
7. Explain stage of menstrual cycle.
8. Discuss causative agent, mode of spread and prevention of typhoid fever.
9. Enumerate parts of brain stem. Describe in detail the medulla oblongata.

**Q.3 Answer in short. (2 marks each) (20)**

1. Define renal calculi and acromegaly.
2. Explain causative agent and mode of spread of Rabies.
3. Classify endocrine glands.
4. What are difference between Autonomic nervous system and Peripheral nervous system?
5. Define external respiration and COPD.
6. Give a name of X cranial nerve and its function.
7. What are the functions of pons?
8. Define tidal volume and vital capacity.
9. Explain the terms: (I) Addison's disease (II) Glaucoma
10. Give a function of skin.