

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm Winter 2017-18 Examination

Semester: 2**Subject Code: 08101154****Subject Name: Human Anatomy, Physiology and Health Education-II****Date: 12-12-2017****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. Explain in detail about Graded potential and Action potential.
2. Write in detail of synthesis, functions and disorders of Thyroid hormones.
3. Elaborate on physiology of Urine formation.

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

1. Explain the physiology of sleep.
2. Write the difference in between Sympathetic and Parasympathetic system.
3. Describe about various causes and treatments of shock.
4. Write about pregnancy and its maintenance along with the hormones responsible for it.
5. Write note on causative organisms, symptoms and treatments of Cholera
6. Explain the mechanism of Hearing along with diagram.
7. Write short note on acid base balance.
8. Elaborate on Respiratory disease.
9. Write the Anatomy and Physiology of Hypothalamus.

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

1. What is blood brain barrier?
2. Define: Demography
3. Write the name and function of various hormones involved in Child birth.
4. Draw the labelled diagram of Reflex arch.
5. What is Glaucoma and Acute otitis media.
6. Define: Vital capacity.
7. Write the functions and disorder of Substantia Nigra part of brain.
8. Why hormones of Adrenal cortex necessary for survival of Human? Explain it.
9. Describe about Renal failure.
10. Explain refractory period of neuron.