



JP-1612040701020400 Seat No. _____

**Master of Pharmacy Management (Sem. II) (CBCS)
Examination**

August / September – 2019

Human Anatomy & Physiology - II (BP - 201 T)

Time : 3 Hours]

[Total Marks : 80

Instructions :

- (1) Attempt three questions from each section.
- (2) Questions 1 and 5 are compulsory.
- (3) Tie each section separately.
- (4) Figure to the right indicates full marks for the respective question.

SECTION - I

1 Answer the following questions : (any seven) 14

- (1) Draw neat and clean diagram of Kidney.
- (2) Enlist organs of female Reproductive system.
- (3) Comment: Ischemia produces acute brain damage.
- (4) Comment: After consumption of alcohol urine output increases.
- (5) Comment: Hypothalamus is a detector of our body.
- (6) What is the function of optic nerve in human eye ?
- (7) Define: Tidal volume
- (8) Explain: Neuron
- (9) Write function of Pharynx
- (10) Explain the term: Action Potential.

2 Answer the following :

- (1) Enlist hormones of Pituitary gland and explain hormones of anterior pituitary gland in detail. **7**
- (2) Explain disorders of Adrenal gland. **6**

- 3** Answer the following :
- (1) Draw a neat labeled diagram of cross section of Spinal cord. Describe in detail about process of Spinal reflexes. **7**
- (2) Explain reflex mechanism and classify different types of reflex action. **6**
- 4** Answer the following :
- (1) Explain name, location and functions of any two cranial nerves in detail. **7**
- (2) Define Nervous system. Write a short note on Parasympathetic nervous system. **6**

SECTION - II

- 5** Answer the following : (any two) **14**
- (1) Explain in detail about the role of renin angiotensin system for blood pressure regulation in kidney.
- (2) Describe Physiology of urine.
- (3) Write a short note on Male Reproductive system.
- 6** Answer the following :
- (1) Explain physiology of Vision. **7**
- (2) Draw a neat and clean diagram of internal anatomy of ear with appropriate labeling. **6**
- 7** Answer the following :
- (1) Write a note on external and internal respiration processes. **7**
- (2) Write a short note on BBB. **6**
- 8** Answer the following :
- (1) Define respiration. Explain in detail disorders of respiratory system. **7**
- (2) Enlist parts of brain. Write functions of Hypothalamus. **6**