Roll No…….. **Total No. of Printed Pages: 1**

Total No. of Questions: [13]

B. Pharmacy (Semester – 2nd)
HUMAN ANATOMY AND PHYSIOLOGY-II
Subject Code: BP 201T
Paper ID: [17170108]

Time: 03 Hours **Maximum Marks: 75**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1 Attempt the following:

a. Name two hormones secreted by ovaries.
b. Define renal failure.
c. Enlist the functions of liver.
d. Name two cranial nerves.
e. What do you mean by depolarization, repolarization and hyperpolarization?
f. What are enzymes required in transcription?
g. What is basal metabolic rate? Write its significance.
h. What is spermatogenesis?
i. What is ATP?
j. What are afferent & efferent nerves?

Section – B **(5 marks each)**

Q2 Write a brief note on protein synthesis.
Q3 Explain the functions of insulin and glucagon.
Q4 Explain various phases of menstruation cycle.
Q5 What is reflex action? Describe physiology of reflex action.
Q6 Draw a well-labeled diagram of nephron.
Q7 What is cerebrospinal fluid? How is it formed? What are its functions?
Q8 Explain the process of synaptic neurotransmission.
Q9 Draw labeled diagram of male reproductive system.
Q10 Write a note on mechanism of respiration.

Section – C **(10 marks each)**

Q11 Write down various hormones released from pituitary. Discuss their functions and various diseases associated with their hyper and hypo secretions.
Q12 Enlist various parts of the gastrointestinal tract and discuss in detail about physiology of food digestion.
Q13 Discuss structure of kidney and explain the process of urine formation by the kidneys.