



**MX-014-003107**

Seat No. \_\_\_\_\_

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

**January - 2018**

**Human Anatomy & Physiology - I (BP-104 T)**

**Faculty Code : 014**

**Subject Code : 003107**

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Attempt three questions from each section.
  - (2) Question 1 and 5 are compulsory.
  - (3) Figures to the right indicate full marks for the respective question.
  - (4) Draw neat and clean diagram wherever required.

**SECTION - I**

- 1 Answer the following : (any seven) 7×2=14**
- (1) Give the functions of WBCs.
  - (2) Define :
    - (a) Hypertension
    - (b) Arrhythmia
  - (3) Enlist facial bones.
  - (4) Which are the different cells present in the blood?
  - (5) Enlist the properties of skeletal muscles.
  - (6) Differentiate between: Cellular and Humoral immunity.
  - (7) Explain Regurgitation.
  - (8) Give significance of ECG.
  - (9) Enumerate different organelles present in the cell.
  - (10) Enlist functions of the spleen.
- 2 Answer the following questions : 13**
- (1) Draw the labelled diagram of the cell. Write a note on golgi apparatus and mitochondria. 7
  - (2) Explain in brief about adaptive and acquired immunity. 6

- 3** Answer the following questions : **13**
- (1) Describe in detail about basic life process of living organism. **7**
  - (2) Draw the labelled diagram of neuron. Write a note on nervous tissue. **6**
- 4** Answer the following questions : **13**
- (1) Write a short note on synovial joints. **7**
  - (2) Define and classify Anaemia. Give various functions of blood. **6**

## SECTION - II

- 5** Answer any **two** questions from the following : **2×7=14**
- (1) Describe in detail about composition, formation, circulation and functions of lymph.
  - (2) Write a short note on pancreatic secretion and their significance. Briefly explain any two disorders of pancreas.
  - (3) Explain in brief about physiology of muscle contraction with suitable diagram.
- 6** Answer the following questions : **13**
- (1) Enumerate various organs of digestive tract. Explain the physiology of gastric acid secretion. **7**
  - (2) Describe following terminologies: **6**
    - (a) Peptic Ulcer
    - (b) Angina Pectoris
    - (c) Arthritis
- 7** Answer the following questions : **13**
- (1) Explain in detail about cardiac cycle. **7**
  - (2) Describe in brief - Neuromuscular junction. **6**
- 8** Answer the following questions : **13**
- (1) What is Rh factor in blood groups? Write a detailed note on 'ABO' blood grouping system. **7**
  - (2) Discuss in brief about functions of stomach and intestine. **6**