

First Year (New) Pharmacy
HUMAN ANATOMY AND PHYSIOLOGY
(105)

Time : Three Hours

Maximum Marks : 80

Note : i) . Attempt total six questions. Question No.1 is compulsory.
From the remaining questions attempt any five.
ii) Illustrate your answer with neat sketches wherever necessary.

1. Attempt any five questions. 10
 - a) Explain CHF.
 - b) Define the term 'Edema'.
 - c) Name the smallest bone of human body.
 - d) Write the name of sensory nerve of smell.
 - e) Name the artery supplying blood to heart.
 - f) Composition of blood.
2. Attempt any two: 14
 - a) Draw a well labelled diagram of human cell.
 - b) Differentiate between striated and non-striated muscle.
 - c) Write the functions of mitochondria and Golgi bodies.
3. Attempt any two. 14
 - a) Explain the blood coagulation mechanism.
 - b) Describe the functions of human heart.
 - c) Explain the following.
 - i) Arthritis
 - ii) Osteoarthritis
4. Attempt any two: 14
 - a) Draw the internal structure of cerebrum.
 - b) Give the functions of lymph.
 - c) Enlist the diseases of human Eye.

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5. Attempt any two:
- a) Explain the physiology of respiration with suitable diagram.
 - b) Write the functions of Liver.
 - c) Explain:
 - i) Asthma
 - ii) Bronchitis
 - iii) Dyspnoea
 - iv) Sinusitis

6. Attempt any two 14
- a) Draw a neat labelled diagram of nephron.
 - b) Write the mechanism of urine formation.
 - c) Write the disorders of Thyroid gland.

7. Attempt any two: 14
- a) Draw a well labelled diagram of Microvilli.
 - b) Explain the process of food absorption.
 - c) Explain
 - i) Glaucoma
 - ii) Motion sickness

8. Attempt any two : 14
- a) Differentiate between CNS and ANS.
 - b) What is reflex action.
 - c) Draw the internal structure of ear.

