



[3956] – 207

Second Year B. Pharmacy Examination, 2011
2.7 : PHARMACOLOGY – I (Including Pathophysiology)
(2008 Pattern)

Time : 3 Hours

Max. Marks : 80

- Note :* 1) **All** questions are **compulsory**.
2) Answers to the **two** Sections should be written in **separate** answer books.
3) **Neat** labeled diagrams must be drawn **wherever** necessary.
4) **Black** figures to the **right** indicate marks.

SECTION – I

1. Explain the term biotransformation. Enlist the various reactions involved in the biotransformation of drugs. Explain in detail synthetic reactions. 10

OR

1. Define and classify hypolipidemics. Write the pharmacological actions, therapeutic uses and adverse drug reaction of statins. 15
2. Solve **any five** of the following : 15
- i) Discuss in detail Side effects.
 - ii) Discuss about intolerance.
 - iii) Discuss the drug treatment of pediatrics.
 - iv) Explain the psychological factor affecting drug action.
 - v) Explain the mechanism of drug action through enzyme inhibition.
 - vi) Discuss the redistribution.
 - vii) Discuss the combined effect of drugs.
3. Write a note on the following (**any three**) : 15
- i) H₂ receptor antagonists
 - ii) Receptor regulation
 - iii) Warfarin
 - iv) Carcinogenicity and mutagenicity
 - v) Applications of gene therapy in various genetic disorders
 - vi) Advantages and disadvantages of parenteral route.

P.T.O.



SECTION – II

4. Define peptic ulcers. Explain the etiology and pathogenesis and complications of acute and chronic peptic ulcers. **10**

OR

4. Define and classify psychosis. Discuss the pathophysiology of schizophrenia. **15**
5. Solve **any five** of the following : **15**

- i) Discuss the physical carcinogens and radiation carcinogenesis.
- ii) Discuss the pathophysiology of acute renal failure.
- iii) Define angina pectoris and discuss the types of angina pectoris.
- iv) Discuss the pathophysiology of Hepatitis B.
- v) Discuss the clinical manifestations of tuberculosis.
- vi) Discuss the Etiology of bronchial asthma.
- vii) Discuss the pathophysiology of bacillary dysentery.

6. Write a note on the following (**any three**) : **15**

- i) Typhoid fever
- ii) AIDS
- iii) Malaria
- iv) Hypersensitivity
- v) Epilepsy.