



[3856] – 27

**Second Year B.Pharmacy Examination, 2010**  
**2.7 : PHARMACOLOGY – I**  
**(Including Pathophysiology)**  
**(2004 Course)**

Time : 3 Hours

Total Marks : 80

- Instructions:** 1) *Q. 1 and 5 are compulsory. Solve any two questions of the remaining from Section A and Section B.*
- 2) *Figures to the right indicate full marks.*
- 3) *Answer to the Section A and B shall be written on separate answer sheet.*

SECTION – A

1. Define drug distribution. Describe role of plasma proteins in drug distribution. **10**
2. a) Explain drug toxicity in man with suitable examples. **8**
- b) Define antiplatelet agents, write pharmacology of any one drug. **7**
3. a) Discuss drug treatment in menstruation. **8**
- b) Explain molecular and biochemical mechanism of drug action. **7**
4. Write a note on (**any three**) : **15**
- a) Development of new drug
- b) Sources of drugs
- c) HMG-Co- A reductase inhibitors
- d) Drug-receptor interactions.

P.T.O.



SECTION – B

5. Define hepatitis, classify it and discuss pathophysiology of hepatitis-B. **10**
6. a) Classify depression, enlist its clinical manifestation and discuss management with suitable examples. **8**
- b) Explain pathophysiology of diabetes mellitus. **7**
7. a) Define pain and add a note on pathophysiology of pain. **8**
- b) Describe causes, progress and management of congestive cardiac failure. **7**
8. a) Enlist various types of pneumonia. Add a note on any one type. **8**
- b) Discuss stages of cancer with suitable examples. **7**