

Sixth Semester Examination – 2008

PHARMACOLOGY – II

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory
and any **five** from the rest.*

*The figures in the right-hand margin
indicate marks.*



1. Answer the following questions : 2 × 10
- (a) Comment on the simultaneous administration of digitalis glycosides and thiazide diuretics.
 - (b) Name two respiratory stimulant drugs.
 - (c) Give two examples of class III antiarrhythmic drugs.

- (d) Give two examples of leech products which can be used as anticoagulant.
 - (e) What are the symptoms of Prinzmetal's angina ?
 - (f) What will happen if a patient takes aspirin simultaneously with warfarin ?
 - (g) Name two preparations used in the bioassay of acetylcholine.
 - (h) Write the mechanism and use of montelukast.
 - (i) Name the disease in which vasopressin can be used.
 - (j) Write the use of streptokinase.
2. Define Bioassay. What are the advantages and disadvantages of Bioassay. Describe the different methods of Bioassay for agonists.

1+2+7

3. Classify antihypertensive drugs with examples. Write the mechanism and side effects of Captopril and Amlodipine. 5+ 2.5×2
4. Write the mechanism and therapeutic uses of (any two) : 5×2
- (a) Organic nitrates
- (b) β blockers
- (c) Thiazide diuretics.
5. Classify the drugs used in the treatment of Bronchial asthma. Write short notes on Glucocorticoids and Salmeterol. 5+2.5×2
6. Define and classify anticoagulants. Discuss the mechanism and side effects of Warfarin. 5+5
7. Define Autacoids. How are they different from hormones ? Classify Autacoids. Write the pharmacological actions of histamine. 1+1+3+5

8. Write notes on : 2.5×4
- (a) Codeine
- (b) Bradykinin
- (c) Iron preparations
- (d) Vitamin K.