

B. Pharm. (Sixth Semester)

EXAMINATION, June, 2012

PHARMACEUTICAL CHEMISTRY – VII

(Medicinal Chemistry – II)

(PY-603)

rgpvonline.com

Time : Three Hours

Maximum Marks : 70

Note : Attempt any *five* questions. All questions carry equal marks. Give structures, reactions and diagrams wherever necessary.

1. (a) Explain various theories of general anaesthetics in details describing merits and demerits of each. 7
 (b) Discuss chemistry of antiseizure agents covering each chemical class. 7
2. (a) What are the limitations of opiate analgesics ? 7
 (b) Write an exhaustive note on endogenous opoid peptides and their physiologic functions. 7
3. (a) Classify antiparkinsonian drugs giving one representative structure for each class. 7
 (b) Explain mode of action of antiparkinson drugs and pathophysiology of the disease. 7
4. (a) Discuss SAR of barbiturates. 7
 (b) Write exhaustively on sleep-inducing benzodiazepines.
5. (a) Explain mode of action of tricyclic antidepressants and MAO inhibitors. 7
 (b) Discuss SAR of phenothiazines. 7
6. (a) Classify oral hypoglycemic ags in detail. 7
 (b) Give mechanism of action of each class of hypoglycemic ags with their drawbacks. 7
7. (a) Write about development of adrenocorticoid drugs and their adverse effects. 7
 (b) Write in detail about biosynthesis of thyroid hormones and their physiological role. 7
8. Write short notes on any *two* of the following : 7 each
 - (a) Fat soluble vitamins
 - (b) Factors affecting drug design
 - (c) Hallucinogens
 - (d) Molecular connectivity approach in drug design

rgpvonline.com