

[LA 810]

APRIL 2012

Sub. Code: 3810

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION
(2009-2010 Regulation)

SECOND YEAR
PAPER IV – PHARMACOLOGY – I

*Q.P. Code: 383810***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
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|--|----|---------|----|
| 1. Describe the types of cholinceptors (4).
Classify the cholinergic agonist (8).
Write briefly about its pharmacological actions (8). | 17 | 40 min. | 20 |
| 2. Define Parkinsonism (2).
Classify the antiparkinsonian drugs (4).
Write the mechanism of action (6),
drug interactions(4) and uses of dopamine precursors (4). | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Write briefly about the phases involved in Bio-transformation. | 4 | 10 min. | 6 |
| 2. Explain the stages of general anaesthesia. | 4 | 10 min. | 6 |
| 3. Mention the therapeutic uses of digitalis in the case of congestive heart failure. | 4 | 10 min. | 6 |
| 4. Explain the Dopamine theory of Schizophrenia. | 4 | 10 min. | 6 |
| 5. Classify Central Nervous System stimulants(3) and
Write the mechanism of action of psychostimulants. (3) | 4 | 10 min. | 6 |
| 6. Write the clinical uses of Nitrates in angina. | 4 | 10 min. | 6 |
| 7. Write a note on HMG-CoA reductase inhibitors. | 4 | 10 min. | 6 |
| 8. Describe the various routes of drug administration. | 4 | 10 min. | 6 |
| 9. Write the synthesis, storage and metabolism of
5-Hydroxytryptamine | 4 | 10 min. | 6 |
| 10. Write the pharmacological actions of COX-2 inhibitors | 4 | 10 min. | 6 |
