

[KZ 813]

OCTOBER 2011

Sub. Code: 3813

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION****THIRD YEAR****PAPER I – PHARMACOLOGY - II***Q.P. Code: 383813***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. Classify diuretics according to their sites of action.

Explain the mechanism of action, pharmacological effects, therapeutic uses and adverse effects of loop diuretics.

17 40 min. 20

2. Define signal transduction. Mention various kinase pathways.

Explain any two kinase pathways.

17 40 min. 20

**II. Write notes on :**

1. Clopidogrel.

4 10 min. 6

2. Receptors and therapeutic uses of vasopressin.

4 10 min. 6

3. Tetracycline.

4 10 min. 6

4. Amphotericin B.

4 10 min. 6

5. Nucleoside and nucleotide reverse transcriptase inhibitors.

4 10 min. 6

6. Monoclonal antibodies as immunosuppressants.

4 10 min. 6

7. Acute toxicity studies.

4 10 min. 6

8. Cell cycle regulators and modifiers.

4 10 min. 6

9. Histone deacetylases.

4 10 min. 6

10. Altered gene functions.

4 10 min. 6

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