

[LC 813]

APRIL 2013

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****I. Elaborate on:****(2 x 20 = 40)**

1. Discuss the life cycle of malarial parasite.  
Classify anti-malarial drugs and explain mechanism of action, adverse effects and therapeutic uses of chloroquine.
2. Discuss the recombinant DNA technology and its Pharmaceutical applications with examples.

**II. Write notes on:****(10 x 6 = 60)**

1. State the mechanism of action and advantage of low molecular Heparin.
2. Explain the mechanism of development of bacterial resistance to antibiotics.
3. Write a note on Biosensors.
4. Write a note on treatment of TB as per WHO.
5. Write a note on Oncogenes.
6. What are Plasma Expanders? Give its therapeutic uses.
7. Write a note on immunosuppressive corticosteroids.
8. Write a note on Furosemide.
9. What is chronic toxicity study? Explain its importance in preclinical studies.
10. What is Aldosterone antagonist? Give its mechanism of action and therapeutic uses.

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