

[LG 813]

APRIL 2015

Sub. Code: 3813

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**(2009-2010 Regulation)****THIRD YEAR****PAPER I – PHARMACOLOGY - II*****Q.P. Code: 383813*****Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(4 x 10 = 40)**

1. What is recombinant technology?
Explain the principle, gene transfer technology and applications of the same.
2. Classify anticoagulants with examples and explain the pharmacology of heparin.
3. Classify anti-microbial agents with suitable examples and mechanism action of tetracycline antibiotics.
4. Explain the pharmacology of furosemide.

II. Write notes on:**(6 x 5 = 30)**

1. Janus kinase pathway.
2. Gene therapy targets.
3. Write the therapeutic uses of ciprofloxacin.
4. Explain the importance of preclinical toxicity studies.
5. Write a note on co-trimoxazole.
6. Write a note on anti amoebic drugs.
