

**QP CODE:301326**

**Reg.No: .....**

Third Year Pharm D Degree Examinations - October 2013

**Pharmacology II**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Discuss the principles, processes and applications of recombinant DNA technology
2. Discuss the mechanism of action, uses and adverse effects of amino glycoside antibiotics
3. Classify anti neoplastic agents. Briefly discuss the adverse effects of cancer chemotherapy agents

**Short notes**

**(8x5=40)**

4. Tetracyclines
5. Chronic toxicity studies
6. Tumor suppressor genes
7. Cell signaling
8. Pharmacology of immunosuppressant's
9. mRNA processing
10. Anticoagulants
11. Potassium sparing diuretics

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