[LD 352] **OCTOBER 2013** **Sub. Code: 2913**

M.PHARM. DEGREE EXAMS

FIRST YEAR

BRANCH IV – PHARMACOLOGY

PAPER IV – DRUG DESIGN AND MOLECULAR PHARMACOLOGY

Q.P. Code : 262913

Time : 3 hours **Maximum : 100 marks**

I. Elaborate on : **(2x20=40)**

1. What you understand by CADD explain various steps involved in drug design?

2. Explain different gene transfer technologies. What are the applications of gene therapy?

II. Write notes on : **(10x6=60)**

1. Write a note on 2D pharmacophore.
2. Write a note on array technology.
3. Write a note on pharmacogenomics.
4. What are receptor theories?
5. Explain cell signaling mechanism.
6. Write a note on receptor polymorphism.
7. Explain gene regulation.
8. Write a note on rational drug design.
9. Write a note on biosensors.
10. With suitable diagram explain the structure of a cell membrane.

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