

**QP CODE:305326**

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

Third Year Pharm D Degree Examinations - September 2014

**Medicinal Chemistry**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. What are hypolipidemic agents and classify it with structures. Outline the synthesis of bezafibrate and nicotinic acid
2. What are thiazide diuretics and mention the examples with structures. Explain the structure activity relationship of it.
3. What are the diagnostic agents classify it with examples. Outline the synthesis of any two of them

**Short notes**

**(8x5=40)**

4. Explain any two electronic parameters of QSAR drug design.
5. Outline the mechanism of carrier linked pro drugs with special reference to carboxylic acid moiety and carbonyl moiety
6. How will you carry out the combinatorial synthesis on solid support.
7. Classify anticancer agents and add a note on mechanism of action of alkylating agents
8. Explain the synthesis of hexachlorophene and halazone.
9. Synthesis of propyl paraben and methyl paraben.
10. Explain the synthesis of any one second generation quinolones used as urinary tract anti infective agents.
11. What are anti viral agents. Outline the synthesis of lamivudine.

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