

**QP CODE: 305326**

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

**Third Year Pharm D Degree Examinations June 2019**

**Medicinal Chemistry**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Mention the classification of anti-viral drugs with their structures. Explain in detail, their chemistry and mechanism of action. Add a note on synthesis of any one anti-viral agents
2. Discuss on computer aided drug design and modeling with an emphasis on its various applications
3. What are tetracyclines. Give its general structure, mechanism of action and its classification including its SAR.

**Short notes**

**(8x5=40)**

4. What are urinary tract anti – infective. Classify them with suitable examples
5. Give the structure and uses of INH and pyrazinamide
6. Explain the life cycle of malaria parasite
7. Explain the various QSAR parameters
8. Anti-cancer antibiotics
9. What are anti coagulants. Outline the synthesis of any one coumarin derivatives
10. Synthesis of any two synthetic estrogens
11. Synthesis of acetazolamide.

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