

QP CODE: 305326

Reg. No: .....

**Third Year Pharm D Degree Supplementary Examinations  
August 2021**

**Medicinal Chemistry**

**Time: 3 Hours**

**Total Marks: 70**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary.*

**Essays**

**(3x10=30)**

1. What are sulphonamides. Classify sulfonamides and give one example of drug with structure under each class. Give the mechanism of action of sulphonamides.
2. Define antimalarial agents. Classify them with examples. Outline the synthesis of chloroquine.
3. Discuss prodrugs in detail with examples. Add a brief note on Computer Aided Drug Design (CADD).

**Short notes**

**(8x5=40)**

4. Urinary tract anti-infectives.
5. Outline the synthesis of • Chloramphenicol • Tolbutamide.
6. What are anti-arrhythmic agents. Outline the synthesis of procainamide.
7. What are anti-neoplastic agents. Classify them with examples. Explain the mechanism of action of alkylating agents with suitable examples.
8. What are diuretics. Classify them with suitable examples. Add a brief note on loop diuretics.
9. Discuss mechanism of action of Mercaptopurine and Busulfan.
10. What are anti-tubercular agents. Classify them with suitable examples. Write the structure of any two anti-tubercular agents.
11. Outline the synthesis of • Isoniazid • Warfarin

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