

III B. Pharmacy I Semester Supplementary Examinations, May - 2019
MEDICINAL CHEMISTRY-II

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
 2. Answering the question in **Part-A** is Compulsory
 3. Answer any **FOUR** Questions from **Part-B**
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PART -A

1. a) What is Drug resistance? (2M)
- b) Write the MOA and uses of tinidazole. (2M)
- c) Outline viral life cycle. (2M)
- d) What is betalactamase? (2M)
- e) Write structure and use of streptomycin. (2M)
- f) Write biological significance of folic acid. (2M)
- g) Write important structural features of vitamin A. (2M)

PART -B

2. a) What is drug resistance? Write methods used for avoiding development of drug resistance. (8M)
- b) Write short notes on 1st line anti TB agents. (6M)
3. a) Write in detail on MOA, SAR and uses of Primaquine. (8M)
- b) Outline the synthesis, MOA and uses of fluconazole. (6M)
4. a) Write in detail on anticancer antibiotics. (9M)
- b) Write a note on development of acid resistant penicillins. (5M)
5. Write structure, IUPAC name, MOA and uses of (14M)
 - (a) Diethyl carbamazine
 - (b) Dapsone
 - (c) 5-Flouro uracil
6. Write in detail on chemistry and biological significance of (14M)
 - (a) Vitamin D
 - (b) Folic acid
7. Outline the synthesis and uses of (14M)
 - (a) Sulfisoxazole
 - (b) Metronidazole
 - (c) Chlorambucil