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Total No. of Pages : 02

Total No. of Questions : 19

M.Sc. (Chemistry) (Campus) (2015 to 2017) (Sem.-4)

MEDICINAL CHEMISTRY-II

Subject Code : CHL-512B

M.Code : 74899

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying FIVE marks each and students have to attempt ALL questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**Write briefly :**

1. What is fungal infection?
2. Structure and chemical name of 6-aminopenicillanic acid.
3. Structure and use of Chloramphenicol.
4. MOA of antiamoebic agents.
5. Name and draw two quinoline derivatives.
6. Synthesis of cephalexin.
7. Classify Antifungal drugs.
8. Therapeutic class and MOA of Dimercaprol.
9. Give IUPAC name and structure of two biguanides.
10. Name and draw two sulphonamides based antimalarials.



**SECTION-B**

11. Write the mode of action and synthetic steps for Clotrimazole.
12. Classify antiprotozoal drugs with examples.
13. Commercial synthetic route of Ronidazole.
14. Name and Explain life cycle of malaria parasite.
15. Synthesis and medicinal use of Clotrimazole.
16. Write a detailed Note on anthelmintics.

SECTION-C

17. What are antibiotics? Explain with examples the development of acid and enzyme resistant penicillin.
18. Give the classification of Antimalarial drugs on the basis of chemical structures. Give the MOA, SAR of Cinchona alkaloids.
19. Explain the chemistry of broad spectrum antibiotics.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

