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Total No. of Pages : 02

Total No. of Questions : 19

PIT M.Sc. (Chemistry) (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

Answer briefly :

1. What is toxicity of drugs?
2. Explain the broad spectrum antibiotics.
3. Give IUPAC name of furazolidone.
4. Explain structure of capreomycin.
5. How can we choose a drug for disease?
6. Define bioavailability of drugs.
7. Name any two antifungal surface ointments.
8. What are vaccines?
9. What is passive diffusion of drug absorption?
10. Explain tropical agents for dermatophytoses.

SECTION-B

11. Explain Mechanism of action of sulfonamides compounds.
12. Explain semi-synthetic routes to production of penicillin.
13. Explain structure- Activity relationship of antifungal drugs.
14. What are antiamoebic drugs and their mechanism of action?
15. How is malaria caused and the most effective drug used in malaria?
16. Explain structure activity relationship of miconazole and clotrimazole.

SECTION-C

17. Explain polycyclic antimalarial drug. Give the structure of ketoconazole and Dichlophenone.
18. Explain stereochemical aspect of drug metabolism by taking suitable example.
19. Explain the mechanism of action of anti helminthics drugs and what is drug-drug interaction?

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.