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Total No. of Pages : 02

Total No. of Questions : 19

M.Sc (Chemistry) (Campus) (2015 to 2017) (Sem.-3)

**MEDICINAL CHEMISTRY - I**

Subject Code : CHL-503B

M.Code : 74891

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 the following :**

1. Define sedative.
2. Water soluble vitamins.
3. Biological significance of Vitamin A.
4. Biosynthesis of GABA.
5. Difference between general and local anasthetics.
6. Name and draw two androgens.
7. Therapeutic class and MOA of Benzodiazepines.
8. Metabolism of acetylcholine.
9. MOA of oral contraceptives.
10. Name and give therapeutic use of adrenaline.





**SECTION-B**

11. SAR of benzodiazepines.
12. Classify and give MOA of antihypercholesteromelic agents.
13. Short note on anticonvulsants.
14. Discuss the release, types and therapeutic application of thyroid hormones.
15. Describe coagulation process and classify anticoagulants.
16. Outline synthesis of any two diuretics.

**SECTION-C**

17. Describe the chemistry, pharmacological actions and SAR of antihypertensive agents
18. Give a detailed account of Diuretics.
19. What are cardiac glycosides? Give their classification, mechanism of action and clinical applications.

**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.**

