

35026 : Medicinal Chemistry - II : IV.T.5

P. Pages : 1

Time : Three Hours

**AW - 2281**

Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **eight** questions.
 3. Discuss the reaction, mechanism wherever necessary.

1. What are steroids? Explain in detail androgens and anabolic agents. 10
2. Define and classify Antihistamines with examples. Explain in detail H₂ - receptor antagonists. 10
3. What are NSAID's? Classify them with examples. Explain SAR of salicylic acid derivatives. 10
4. What are thyroid hormones? Explain SAR and mechanism of action of thyroid hormones. 10
5. Classify Sulphonamides with examples. Explain SAR and mechanism of action of Sulphonamides. 10
6. Define and classify Antibiotics with examples. Discuss in detail β - lactam antibiotics. 10
7. Classify Antiviral agents with examples. Discuss difficulties involved in designing of - antiviral agents. 10
8. What are antineoplastic agents? Classify them with examples. Discuss in detail alkylating agents. 10
9. Write a detail account on Gene therapy. 10
10. Write a note on **any two**. 10
 - a) Diagnostic agents.
 - b) Antithyroid drugs.
 - c) Hypoglycemic agents.
