

AV – 2313

Fourth Year B. Pharm. (Annual Pattern) Examination

MEDICINAL CHEMISTRY – II

Paper – IV – T – 5

(USC – 35026)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) All questions carry equal marks.
(2) Answer **Eight** questions.
(3) Discuss the reaction, mechanism wherever necessary.

1. What are adrenocorticoids ? Explain in detail Glucocorticoids. 10
2. Define and classify Antihistamines with examples. Explain SAR and mechanism of action of Histamine-H₁-receptor antagonists. 10
3. What are NSAID's ? Classify them with examples. Explain SAR of Indole-acetic acid derivatives. 10
4. What are thyroid hormones ? Explain SAR and mechanism of action of thyroid hormones. 10
5. Classify antineoplastic agents with examples. Explain SAR and mechanism of action of alkylating agents. 10
6. Classify sulphonamides with examples. Explain SAR and mechanism of action of sulphonamides. 10

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7. Define and classify antibiotics with examples. Discuss in detail Aminoglycoside antibiotics. 10
8. What are hypoglycaemic agents ? Classify them with examples. Discuss in detail sulphonylureas. 10
9. Explain life cycle of malaria. Give classification of Antimalarial agents with examples. 10
10. Write a note on (Any **Two**) :—
 - (a) Antitubercular agents.
 - (b) Anthelmintics.
 - (c) Diagnostic agents. 10

