

B. Pharm. Sixth Semester
35168 : Medicinal Chemistry - II : T-6.2

P. Pages : 1

Time : Three Hours



AU - 0683

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **five** question.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Discuss the reaction, mechanism wherever necessary.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Classify Sulphonamides with examples and structures. Explain mechanism of action and SAR of Sulphonamides. 12
2. What are Antibiotics? Classify them with examples. Write a detail account on β -lactam antibiotics. 12
3. Classify Antineoplastic agents with examples. Discuss in detail about Alkylating agents. 12
4. Define and classify Antihistaminic agents with examples. Explain in detail H_2 – receptor antagonists. 12
5. Classify NSAIDs with examples and structures. Explain SAR of Indole acetic acid derivatives. 12
6. Write a note on **any two**. 12
 - a) Thyroid hormones.
 - b) Antimalarials.
 - c) Anthelmintics.
 - d) Antitubercular agents.
7. Outline synthesis of **any three**. 12
 - i) Dapsone.
 - ii) Isoniazid.
 - iii) Diphenhydramine.
 - iv) Metronidazole.
 - v) Ibuprofen.
 - vi) Oxyphenbutazone.
