

35168 : Medicinal Chemistry - II : T-6.2

P. Pages : 1

Time : Three Hours

**AW - 2314**

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any 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. Explain life cycle of malaria. Classify Antimalarials with examples. 12
2. What are sulphonamides? Classify them with examples. Explain mechanism of action and SAR of Sulphonamides. 12
3. What are Antibiotics? Classify them with examples. Explain in detail β -lactam Antibiotics. 12
4. What are Antihistaminic agents? Classify them with examples. Discuss in detail about Histamine H₂-receptor antagonists. 12
5. Classify Antineoplastic agents with examples. Write a detail account on Alkylating agents. 12
6. Write a note on **any two**. 12
 - a) Antitubercular agents.
 - b) Thyroid hormones.
 - c) Anthelmintics.
 - d) Antiamoebic agents.
7. Outline synthesis of **any three**. 12
 - i) Metronidazole.
 - ii) Sulphacetamide.
 - iii) Dapsone.
 - iv) Ibuprofen.
 - v) Diphenhydramine.
 - vi) Phenylbutazone.
