

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: MPH (M.Pharm)
BRANCH: PHARMACY

SEMESTER: II
SESSION: SP-2023

SUBJECT: MPL201T ADVANCED PHARMACOLOGY-II

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
 2. Before attempting the question paper, be sure that you have got the correct question paper.
 3. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
 5. Answer any five questions.
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- 1a. How do you manage Diabetic ketoacidosis [7]
1b. Classify Oral anti-diabetic drugs. Give Mechanism of action & adverse effects of Sulphonyl Ureas class of drugs. [8]
- 2a. Define emesis & describe aetiology of vomiting [7]
2b. Classify Anti-emetic drugs with examples. Discuss H₁ & Dopamine receptor antagonists [8]
3. Explain pharmacological actions & adverse effects of Gluco-corticoids drugs? [15]
- 4a. Enumerate anti-Ulcer drugs. Discuss antacids & Anti *H. pylori* drugs [7]
4b. Illustrate Quinolones & Macrolides group of antibiotic resistance with suitable examples [8]
- 5a. Explain different types and mechanism of Resistance to Antibiotics [7]
5b. Illustrate Aminoglycosides & B-Lactam group of antibiotic resistance with suitable examples [8]
- 6a. Explain mechanism of action and therapeutic uses and side-effects of Imidazole's & Triazoles derivatives of Antifungal drugs. [7]
6b. Explain mechanism of action and uses of any four different anti-amoebic drugs? [8]
- 7a. Explain different treatment modalities of chemotherapy with suitable examples? [7]
7b. Classify chemotherapeutic agents on the basis of cell cycle? Explain mechanism of action and uses of at least four different class of chemotherapeutic agents.? [8]

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