

B. Pharm 4th Year 2nd Semester Examination-2022

Newer Drugs & Biotechnological Application

FM-70

Group-A

Time-4 hrs

Answer any five questions taking at least two from each group

1. What are proton pump inhibitors? Outline the synthesis & SAR of Omeprazole & Lansoprazole. 14-
2. Discuss the metabolism of Rabeprazole and Pantoprazole. 14
3. Define NDA & INDA. Discuss the steps to have a molecule from laboratory to shelf of the medicine. 14
4. What do you mean by a 'lead' compound? Discuss in brief the protocols for lead finding in drug discovery & development. 14

Group-B

5. Write a note on drug discovery 14
6. What are the basic assumptions of Free-Wilson Analysis? Discuss with an example 14
7. Write a note on Hansch analysis. 14