

4th SEMESTER INTERNAL ASSESSMENT EXAMINATION, 2021

SUBJECT: CHEMISTRY (Hons.)

COURSE CODE: SEC-2

COURSE TITLE: Pharmaceuticals Chemistry

DATE: 08.07.2021

FULL MARKS: 10

TIME: 1 HOUR 30 MINUTES

Answer any five questions:

5 X 2 = 10

1. What is 'NSAID'? Mention the synthetic route to a 'NSAID'.
2. Synthesize a chiral antibiotic.
3. What are 'sulfa-drugs'? Explain their mechanism of action.
4. Show the retrosynthetic analysis and the corresponding synthetic route to Trimethoprim.
5. Mention the name of an anti-retroviral drug. Synthesize it.
6. Show the retrosynthetic analysis and the corresponding synthetic route to Diazepam.

Send your answer script in pdf format within 12.30 pm mentioning your University Roll No. in the subject line to sm.missionexam@gmail.com