

Seat No.: _____

EnrolmentNo. _____

Shree H. N. Shukla Institute of Pharmaceutical Education and Research
B.PHARM.-SEMESTER-EXAMINATION-SUMMER-2021

SubjectCode:BP402TP

Date:

SubjectName: medicinal chemistry

Time:

Total Marks: 100

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q-1 a) Explain factors affecting drug metabolism including stereochemical aspect. 6marks**
b) Explain conformation isomers 5 marks
c) Write synthesis of salbutamol and propranolol with use 5marks
- Q-2 a) Write a short note on beta-blockers 6marks**
b) Explain phase-2 metabolism 5marks
c) Give classification of sympathomimetic agents with structure 5marks
- Q-3 a) Explain biosynthesis of catecholamine. 6marks**
b) Explain SAR of sympathomimetic agents. 5 marks
c)write down structure, synthesis, MoA,and use of tolazoline 5marks
- Q-4 a) Define medicinal chemistry.explain history and development of medicinal chemistry. 6 marks**
b)Explain phase-1 metabolism. 5 marks
c)Explain metabolism of catecholamines. 5 marks
- Q-5 a) Enlist the physicochemical properties. Explain partition coefficient. 6marks**
b) Write a short note on alpha adrenergic agents 5 marks
c) write a short note on beta blockers 5 marks
- Q-6 a) Explain factors affecting on drug metabolism in detail 10 marks**
- Q-7 a) what is the importance of stereochemistry in medchem. 5marks**
b)Explain bioisosterism in detail 5 marks
