

Seat No.: _____

EnrolmentNo. _____

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

SubjectCode:BP401TT

Date:

SubjectName: organic 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 geometrical isomerism** **6marks**
b) Explain conformation isomerism in ethane **5 marks**
c) Write example of meso compounds and chiral compound (two example) **5marks**
- Q-2 a) Write down DL system in optical isomers** **6marks**
b) Explain isomerism in molecule **5marks**
c) Give the example of achiral and functional group isomerism (two) **5marks**
- Q-3 a) Explain racemization technique.** **6marks**
b) Give diff. between Enantiomers and diastereomers. **5 marks**
c)write a short note on tautomerism **5marks**
- Q-4 a) Define hetrocyclic compound.explain rules of nomenclature.** **6 marks**
b)Explain element of symmetry **5 marks**
c)Explain furan in detail. **5 marks**
- Q-5 a) Explain E/Z notation.** **6marks**
b) give the diff between stereospecific and stereoselective reaction. **5 marks**
c) write a short note on pyrrole **5 marks**
- Q-6 a) Explain Thiophene in detail (structure,use,preparation,reaction)** **10 marks**
- Q-7 a) what is the resolution? Explain its technique.** **5marks**
b)Explain aromaticity in furan **5 marks**

