



# SHREE H. N. SHUKLA GROUP OF COLLEGES

(AFFILIATED TO SAURASHTRA UNIVERSITY & GTU)

2-Vaishali nagar,  
Near amrapali railway crossing,  
Raiya road, Rajkot- 360 001.  
Ph.No.-(0281) 2440478, 2472590

3-Vaishali nagar, Near  
amrapali railway crossing,  
Raiya road, Rajkot- 360 001.  
Ph.No.-(0281) 2224362

Behind marketing yard,  
Near Lalpari lake, Between  
Amargadh-Bhichri,  
Rajkot- 360 002.  
Ph.No. 90990 63150

## M.Sc. Chemistry Internal/prelims exam

### Semester IV C-404 Advanced medicinal chemistry

**Time: 1 hour**

**Date: --/--/----**

**Total marks: 30**

**Q 1. Give the answer of following questions (1 marks each)**

**8 marks**

1. Write the structure of any two resins used for solid phase synthesis.
2. Explain lead and lead discovery.
3. Define and explain the term QSAR.
4. Explain the term distribution of drug.
5. Define Agonist and Antagonist.
6. Define the term Patent and IPR.
7. Define combinatorial chemical library.
8. What is Trademark? Give one suitable example for Trademark.

**Q 2. Give the answer of any two following questions (4 marks each)**

**8 marks**

1. Explain tagging method.
2. Explain the term biotransformation.
3. Write a short note on Copyright.

**Q 3. Give the answer of any Two following questions (7 marks each)**

**14 marks**

1. Discuss in detail Hansch analysis technique in QSAR.
2. Explain "prodrug", classify and explain its merit with suitable example .
3. What is patent infringement? Write about the types of infringement.

\*\*\*\*\*All the Best\*\*\*\*\*