



# 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 Semester III (CBSE)

### C-304 Natural product

### Question bank

Prepared by,  
**Rahul Talaviya**



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## Q. Each questions has 2 marks

- Define the term "Alkaloids" and classify them with suitable example.
- Write the isolation of Nucleic acid.
- Write the classification of protein.
- Give the synthesis of Hexosterol.
- Write the synthesis of Phytyl-ketone.
- Define, Hormones and classify it.
- Write the synthesis of Biotin.
- Draw the isolation chart of Vitamin-A
- Discuss Quaternary structure of Protein.
- Define the term, "Terpenoids" and write their classification.

## Q. Each question has three marks

- Write the synthesis of strychnine and Colchinine.
- Give the analytical evidences for Vitamin-E.

OR

- Discuss the chemistry of Reserpine.
- Write the synthesis of Folic acid and Niacin.



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## Q. Each question has five marks

- Write the synthesis of Riboflavin and Pyridoxine.
- Write the synthesis of scelerium- $A_4$  and Ascorbic acid.
- Write the synthesis of Longifolene and Santonine.
- Give a brief account on ACTH.

