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**B. Pharma. (Seventh Semester)
EXAMINATION, MAY-JUNE, 2022
Paper Fifth
CHEMISTRY OF NATURAL PRODUCTS**

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

1. Describe any one spectral technique for identification of simple molecule of natural origin.
2. What do you mean by isomerism? How stereoisomerism affects the biological activity of any natural product. Describe with any example.
3. Discuss the chemistry of diterpenes. Write the biogenesis of any terpenes.
4. Describe the Chemistry of B Carotone & vitamin-A.

5. Give the chemistry or biogenesis of digitoxin & Sennoside.
6. Write the structural specification of vinca alkaloid.
7. Give structure activity relationship or chemistry of penicillin.
8. Write short note on any two:
 - (a) Biogenesis of any Flavonoid.
 - (b) Ergot alkaloid.
 - (c) Chemical approaches for structural identification of natural product.

P.T.O.

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