

Roll No. ....

**Y – 3140**

**M.Sc. (Chemistry) Fourth Semester EXAMINATION,**

**May/June-2021**

Paper – MCH-605

**CHEMISTRY OF NATURAL PRODUCTS**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**—Attempt *all* questions.

**Unit-I**

1. Discuss the structure determination and synthesis of following— 17
- (i) Zingiberene.
  - (ii) Methol

**Unit-II**

2. Discuss the structure and biosynthesis of Atropine. 17

**Unit-III**

3. Discuss the constitution of bile acid with respect to— 17
- (i) Carbon skeleton
  - (ii) Side chain of the bile acids.
  - (iii) Position of hydroxyl group

**Unit-IV**

4. Discuss the structure of Quercetin and give synthesis also. 17

**Unit-V**

5. Explain the structure elucidation of Rotenones with the help of spectral parameters. 17

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