

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF MASTER OF SCIENCE IN PHARMACEUTICAL SCIENCE

(CITY CAMPUS)

PPS 880: CHEMISTRY OF NATURAL PRODUCTS

Date: 3rd April, 2014

Time: 2.00 - 5.00 p.m.



MASENO UNIVERSITY

PPS 880: Chemistry of Natural Products Masters in Pharmaceutical Science

Instructions: Attempt THREE questions only. 20 Mks

- 1. Discuss role of *Chemical Structural Variation* in the Chemistry of Esters of Gelanicals derived from plant sources.
- 2. Discuss the composition of plant extract giving emphasis to the *chemical* proportions of each constituent and using a specife example.
- 3. Discuss the three *methods of analysis* available for extract analysis specifically emphasizing their precision.
- 4. Explain a method of isolating Natural Acids and Alcohol in galanicals
- 5. Illustrate the degenerative routes of chrisanthemates after C-1, C-2, C-3 addition or bond formation