

W-3269**M.Sc. (Fourth Semester) Examination, June-2020****CHEMISTRY****Paper - MCH-604****Heterocyclic Chemistry***Time : Three Hours**Maximum Marks : 85**Minimum Pass Marks : 29***Note :** Attempt **all** questions.**Unit-I**

- Q.1. Discuss Systematic nomenclature of monocyclic and fused heterocycles by Hantzsch MCH widmann system. 17

Unit-II

- Q.2. Explain the following reactions of heterocyclic synthesis: 17
i) Cyclization.
ii) Cycloaddition.

Unit-III

- Q.3. Describe synthesis and reactions of the following compounds: 17
i) Oxiranes.

Unit-IV

- Q.4. Discuss classification and applications of important mesoionic compounds. 17

Unit-V

- Q.5. Explain synthesis of following: 17
i) Azepines.
ii) Thiazines.

