[Total No. of Printed Pages: 2

MPY-204(PCL)

M.Pharmacy II Semester

Examination, May 2019

Advanced Pharmacology - IV

Time: Three Hours

Maximum Marks: 70

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- Note: i) Attempt any five questions.
 - ii) All questions carry equal marks.
- 1. Discuss signal Transduction in G-Protein coupled Receptors.
- 2. Explain the role of different biochemical molecules in inflammatory response.
- 3. Classify cholinergic and dopominergic receptors with various drugs acting on them.
- 4. Discuss the physiological and pathological roles of Nitric Oxide.
- Explain the various Reactive Oxygen Species and the antioxidants which protect against them.
- Discuss the role of T and B Lymphocytes in Immunity.
- 7. What are the vectors used in gene therapy. Also give the recent developments in treatment of hereditary disease.

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- Write a notes on any two
 - **Opioid Receptors**
 - Clinical Laboratory tests
 - Human genome mapping

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