

MPY-201 (Pch)
M. Pharm. (Pharmaceutical Chemistry)
(Second Semester) EXAMINATION, June, 2012
(Grading/Non-Grading)
ADVANCED MEDICINAL CHEMISTRY
[MPY-201(Pell)]
Time : Three Hours
Madman Marks :GS -70

Note : Attempt any *four* questions All questions carry equal marks.

1. (a) Discuss etiology of Parkinson disease and enlist drugs used for it giving structures.
(b) Write on drugs of historical interest and drugs of clinical significance as antilipidemics e.g. statins and fibrates etc.
2. (a) Classify hyperlipidaemias and write a note on HMG-COA reductase inhibitors.
(b) Classify NSAIDs and discuss recently developed NSAIDs like ketorolac and timegadine etc.
3. (a) Enlist protozoal infections and drug of choice with alternative drugs.
(b) Under HAART, discuss NRTIs and NNRTIs.
4. (a) Discuss hormone based drugs and antimetabolites as anticancer agents.
(b) What is immunosuppression ? Write on immunosuppressive agents used in bone marrow transplantation and for preventing graft rejection reactions.
5. (a) Discuss methods in mixed combinational synthesis and example of combinatorial synthesis. .
(b) Explain carrier linked and bioprecursor prodrugs giving examples.
6. (a) Discuss topographical and stereochemical considerations in Drug-receptor interaction.
(b) Write a note on ion-channel blockers.