

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LP 948]

NOVEMBER 2019

Sub. Code: 2948

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-II – PHARMACEUTICAL CHEMISTRY – MPC
PAPER IV – PHARMACEUTICAL PROCESS CHEMISTRY

Q.P. Code : 262948

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the principle and general methods of preparation of polymorphs, hydrates, solvates and amorphous APIs.
2. a) Write the types of oxidative reactions.
b) Write about non metallic oxidizing agents.

II. Write notes on:

(7 x 5 = 35)

1. Write the production of lovastatin and Simvastatin.
2. Streamlining reaction steps and route selection.
3. Characteristics of cost-effective routes.
4. Occupational health and safety assessment series 1800.
5. Pressure and vacuum filtration.
6. Explain about Ozonolysis.
7. Case study on industrial halogenations process.
