

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

[LO 948]

MAY 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. a) Write in detail about filtration, theory and types.
b) Discuss elaborately about in process control and validation of large scale process.
2. a) Discuss about Aerobic and anaerobic fermentation.
b) Discuss the production of penicillin and streptomycin.

II. Write notes on:

(7 x 5 = 35)

1. Types of Evaporators and factors affecting evaporation.
2. Principle and general methods of preparation of polymorphs.
3. Fire hazards and types of fire extinguishers.
4. Heterogeneous and homogeneous catalyst.
5. Explain about nitrating agent.
6. Material safety data sheet.
7. Genotoxic impurities.
