

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

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2948

**M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACEUTICAL CHEMISTRY - MPC
PAPER IV – PHARMACEUTICAL PROCESS CHEMISTRY
*Q.P. Code : 262948***

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain in detail about the process equipment for technical nitration.
b) Write in detail about fire hazards, type of fire and fire extinguishers.
2. Explain in detail about bench and pilot scale process.

II. Write notes on:

(7 x 5 = 35)

1. Theory of filtration.
2. Write note on Kinetics of halogenation.
3. Production of penicillin.
4. Write note on homogeneous catalysis.
5. Counter current extraction.
6. Write note on Ozonolysis.
7. Explain Material Safety data sheet.
