

QP CODE: 214331

Reg. No:.....

Second Semester M.Pharm Degree Examinations August 2018

M.Pharm (Pharmaceutical Chemistry)

Paper IV - Pharmaceutical Process Chemistry (MPC 204T)

(2017 Scheme)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain in detail catalytic hydrogenation
2. Explain types of halogenation and industrial halogenation process
3. Explain azeotropic and steam distillation

Short Notes

(9x5=45)

4. Factors affecting crystallization
5. Explain vacuum and centrifugal filtrations
6. Impurities in API and their sources
7. Liquids phase oxidation with oxidation agents
8. Production of streptomycin
9. Production of vitamin B2 and vitamin B12.
10. Reaction progress kinetic analysis
11. Fire hazards, types of fire and extinguisher
12. Personal protection equipment
