

[LD 341]

OCTOBER 2013
M.PHARM. DEGREE EXAMS
FIRST YEAR
BRANCH I – PHARMACEUTICS
PAPER II – INDUSTRIAL PHARMACY
Q.P. Code : 262902

Sub. Code: 2902

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. a) Explain production planning and control in Pharmaceutical Industry.
b) Explain in detail about physicochemical factors affecting stability of drugs.
2. Discuss in detail about different types of Pharmaceutical containers and closures including their merits and demerits.

II. Write notes on :

(10x6=60)

1. Material management in Pharma Industry.
2. Effect of particle size, moisture content and lubrication on strength of Tablets.
3. Intellectual Property Rights
4. Significance of Pilot plant scale up study.
5. ISO 9000 series.
6. Optimization methods.
7. Multiple Emulsions.
8. Sterilization of various Injectables.
9. Overages and ICH guidelines.
10. Hazards and safety measures due to mechanical and electrical equipments used in Pharma Industry.
