

[LG 341]

APRIL 2015

Sub. Code: 2902

**M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH I – PHARMACEUTICS
PAPER II – INDUSTRIAL PHARMACY**

Q.P. Code : 262902

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Surfactant. Explain the process of solubilisation and the importance of surfactants in it.
2. Explain large scale manufacturing techniques of parenterals.

II. Write notes on:

(10 x 6 = 60)

1. Explain the tablet compression techniques
2. Discuss sales forecasting
3. Describe optimization parameters
4. Discuss various sterilization equipments
5. Explain the physicochemical factors affecting stability of drug product
6. Explain sterilization of biotechnological products
7. Discuss about overages
8. Discuss the shelf life prediction
9. Discuss the plastic containers used in pharmaceutical packaging
10. Explain the safety measures involved in pharmaceutical industry
