

Exam. Code: 431
Sub. Code: 2954

1125

M.Sc. (Applied Chemistry / Pharmaceutical) First Semester
Paper -- 104: Introduction to Pharmaceutical Science

Max. Marks: 60

Time allowed: 3 Hours

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

- Q.1 Define or elaborate the following with suitable example (2 × 6)
- Ethics of pharmacy
 - Tinctures
 - Quality control testing
 - Grading of powder
 - Scope of pharmacy profession
 - Oleoresins
- Unit I** (6,6)
- Q.2 Discuss the following
- Enumerate different dosage forms and their need with the help of suitable example.
 - Discuss historical events for the development of pharmacy profession from middle ages to current era
- Q.3 Write a note on the following (6,6)
- Pharmaceutical ingredients with suitable example
 - Official compendia
- Unit II** (6,6)
- Q.4 a) Define maceration. Differentiate between modified and multiple maceration
b) What is principle of percolation? Describe briefly the process of percolation with the help of a suitable diagram. (12)
- Q.5 Enumerate different methods of extraction. Discuss various factors affecting choice of an extraction process. (6,6)
- Unit III** (6,6)
- Q.6 a) What are aromatic waters. Discuss two methods of preparation of aromatic water with the help of suitable example.
b) What are syrups. Describe various methods of preparation of syrup (6,6)
- Q.7 Discuss the following
- What are tinctures? Discuss briefly the maceration (Process M) as a method of its preparation
 - Discuss in details various methods of purifying water
- Unit IV** (6,6)
- Q.8 Discuss the following
- Differentiate between empirical and metric system of weights and volume with the help of suitable example
 - Write a note on various methods of allegation with suitable example (6,6)
- Q.9 Write a note on the following
- Bulk powders
 - Standards for powders

x-x-x