

2012
M.Sc. (Applied Chemistry/Pharmaceutical)
First Semester
Paper – 104: Introduction to Pharmaceutical Sciences

Time allowed: 3 Hours

Max. Marks: 60

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

x-x-x

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|-----------------|---|-------|
| 1 | Define or elaborate the following with suitable example | 2 × 6 |
| | a) Oleoresins | |
| | b) Ethics in pharmacy | |
| | c) Difference between lotions and liniments | |
| | d) Difference between empirical and metric system | |
| | e) Pharmaceutical importance of comminution | |
| | f) Pharmaceutical preservatives | |
| Unit I | | |
| 2 | Enumerate various pharmaceutical dosages form. Briefly discuss each one of them with their pharmaceutical importance. | 12 |
| 3 | Write a note on the following | 6,6 |
| | a) Discuss key developments of pharmacy profession | |
| | b) Official compendia | |
| Unit II | | |
| 4 | Enumerate various methods of extraction. Discuss in details the difference between infusion and decoction and maceration. | 12 |
| 5 | Write a note on | 6,6 |
| | a) Tincture extracts | |
| | b) Percolation and its pharmaceutical importance | |
| Unit III | | |
| 6 | Write a note on | 6,6 |
| | a) Methods of purifying water | |
| | b) Official pharmaceutical solution | |
| 7 | Discuss various formulation and manufacturing consideration for liquid orals with the help of suitable example | 12 |
| Unit IV | | |
| 8 | Discuss in details with suitable example wherever possible- | 6,6 |
| | a) Units of weight and volume in both empirical and metric system | |
| | b) Methods of allegation | |
| 9 | a) Define size reduction. Discuss the objective and various standards of powders used in pharmaceuticals preparation | 8,4 |
| | b) Write a note on sieve and their usage in grinding | |

x-x-x