

Exam.Code:0431

Sub. Code: 3444

1127

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. I which is compulsory and selecting one question from each Unit.

x-x-x

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| Q.1 | Briefly elaborate the following with suitable example, if necessary | 2 × 6 |
| | i. Pharmaceutical dosage forms | |
| | ii. Pharmaceutical ingredients | |
| | iii. Infusion | |
| | iv. Organoleptic characteristics | |
| | v. Grading of powders | |
| | vi. Official pharmaceutical solutions | |
| | Unit I | |
| Q.2 | Discuss the following | 6.6 |
| | a) Scope of pharmacy profession | |
| | b) Ethics of pharmacy | |
| Q.3 | Write a note on the following | 6.6 |
| | a) Dosage forms and their need | |
| | b) Discuss various historical events involved in the development of pharmacy profession from middle ages to current era | |
| | Unit II | |
| Q.4 | Write a note on the following | 6.6 |
| | a) Tinctures | |
| | b) Oleoresins | |
| Q.5 | Discuss the following | 6.6 |
| | a) Oleoresins | |
| | b) Maceration | |
| | Unit III | |
| Q.6 | Differentiate between the following with suitable example | 6.6 |
| | a) Mouth washes and gargles | |
| | b) Syrups and elixir | |
| Q.7 | Discuss the following | 6.6 |
| | a) Various quality control testing of liquid orals | |
| | b) Methods of purifying water | |
| | Unit IV | |
| Q.8 | Explain the basic principles and or concept involved in preparing solutions of solids in liquid based on empirical and metric systems with the help of suitable example | 12 |
| Q.9 | Write a note on the following | 6.6 |
| | a) Objectives of size reduction | |
| | b) Differentiate between bulk powder and effervescent powder | |

x-x-x