

First Year Pharm. D (SUPPLEMENTARY) : SUMMER - 2019
SUBJECT: PHARMACEUTICS

Day : Tuesday
Date : 02/07/2019

S-2019-4528

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks: 70.

N.B.:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of the remaining attempt any **TWO** questions from Section-I and any **TWO** questions from Section-II.
- 2) Both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** A) Answer any **FOUR** of the following: **(08)**
- i) Define the following terms of (a) Elixirs (b) Collodions.
 - ii) Enlist the significances of PMR.
 - iii) Differentiates between Lotions and liniments.
 - iv) What is the Direction, Storage conditions and patient counseling for Throat paints?
 - v) Write the advantages of granules over powders?
 - vi) Write the role and examples of Antioxidants and preservatives.
- B) Calculate percent strength of 30% v/v and 90% v/v of alcohol? **(03)**
- Q.2** Explain in detail handling of prescription. **(12)**
- Q.3** a) Explain the various factors affecting for dose calculation. **(07)**
b) Define and classify the term powder. Explain the various unit operations followed in the compounding of powder. **(05)**
- Q.4** Write notes on any **THREE** of the following: **(12)**
- a) Enemas
 - b) Developmental changes of Indian Pharmacopoeia
 - c) Types of prescriptions
 - d) Refilling instruction

SECTION-II

- Q.5** A) Answer any **FOUR** of the following: **(08)**
- i) Differentiate between diffusible and indiffusible types of suspension.
 - ii) What are the advantages of emulsion as a drug delivery system?
 - iii) Define and classify the term sutures and ligatures.
 - iv) Write the role and examples of suspending and emulsifying agent.
 - v) What is the direction and category of calamine lotion and Liq paraffin emulsion?
 - vi) Write the different forms of cocoa butter suppository base.
- B) Write briefly the factors responsible for creaming. **(03)**
- Q.6** Define and classify the emulsion. Explain in detail compounding and dispensing aspects of emulsions. **(12)**
- Q.7** a) Define the term extraction. Write the principle and factors affecting the rate of extraction. **(07)**
b) Write briefly about surgical dressings and absorbable gelatin sponge. **(05)**
- Q.8** Write notes on any **THREE** of the following: **(12)**
- a) Chemical incompatibility
 - b) Differences between percolation and Maceration
 - c) Types and ideal characteristics of suppository bases
 - d) Formulation aspects of suspension