

First Year Pharm. D : SUMMER - 2019

SUBJECT: PHARMACEUTICS

Day : Tuesday
Date : 09/04/2019

S-2019-4499

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 (a) Tolerance and (b) Idiosyncrasy.
 - ii) What are the direction, storage condition and patient counseling for Collodions?
 - iii) Differentiate between mouthwash and gargle.
 - iv) What is the role and examples of stabilizers and buffering agents?
 - v) Enlist the significance of solutions over other dosage forms.
 - vi) Define and write the pharmaceutical application of proof spirit.
- B) What will be the dose of paracetamol for a child of 4 years of age? (Adult dose is 500mg.) (03)
- Q.2** Define the term posology. Explain in detail factors affecting in the dose calculation. (12)
- Q.3** a) Explain the various parts of prescription with suitable example. (07)
- b) Define and classify types of granules. Enlist the importance of granules over powder. (05)
- Q.4** Write notes on any **THREE** of the following: (12)
- a) Compounding and dispensing aspects of nasal sprays
 - b) Developmental changes of US pharmacopoeia
 - c) Pricing of the prescription
 - d) Dusting powders

SECTION-II

- Q.5** A) Answer any **FOUR** of the following: (08)
- i) Define the term displacement value with example.
 - ii) Write the ratio of oil: water: gum for the preparation of emulsion.
 - iii) Enlist the ideal properties of sutures and ligatures.
 - iv) Differentiate between flocculated and deflocculated suspension.
 - v) Write about the types of incompatibility with example.
 - vi) Write the ideal properties of suppository bases.
- B) Define and classify the various types of suspending agents. (03)
- Q.6** Define the term incompatibility. Explain in detail about the physical incompatibility with example. (12)
- Q.7** a) Define and classify suppository. Explain the steps involved in compounding of suppository. (07)
- b) Explain the various factors affecting the role of extraction. (05)
- Q.8** Write notes on any **THREE** of the following: (12)
- a) Identification tests for emulsion
 - b) Physical stability for suspension
 - c) Maceration
 - d) Absorbable sutures.