

FIRST YEAR PHARM. D : SUMMER - 2018
SUBJECT: PHARMACEUTICS

Day: **Saturday**
Date: **07/04/2018**

Time: **10.00 AM to 01.00 PM**
Max. Marks: 70

S-2018-4020

N.B.:

- 1) **Q. No. 1 and Q. No. 5** are **COMPULSORY**. Out of the remaining questions solve any **TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.5** a) Answer any **FOUR** of the following: **(08)**
- i) Define the terms compounding and dispensing.
 - ii) Differentiate between liniments and lotions.
 - iii) Why the nasal sprays are preferred over nasal drops?
 - iv) Write the labeling directions and patient counselling for mouthwashes and elixirs.
 - v) Enlist the advantages of granules over powders.
- b) What is the proof strength of 60% v/v and 90% v/v of ethanol? **(03)**
- Q.6** Explain in detail factors affecting dose selection. **(12)**
- Q.7** a) Write about the prescription errors with examples. **(07)**
b) Define the term isotonicity. Explain its importance in sterile dosage forms. **(05)**
- Q.8** Write short notes on any **THREE** of the following: **(12)**
- a) Patient Medication Record
 - b) Enemas
 - c) Pricing of the prescriptions
 - d) Dusting powders

SECTION-II

- Q.5** a) Answer any **FOUR** of the following: **(08)**
- i) Define the following terms: Tinctures and Maceration.
 - ii) Enlist the ideal properties of sutures and ligatures.
 - iii) Define the term displacement value with example.
 - iv) Differentiate between flocculated and deflocculated suspensions.
 - v) What are the advantages of emulsions?
- b) Write briefly about creaming of emulsions. **(03)**
- Q.6** Define incompatibility. Explain in detail chemical incompatibility. **(12)**
- Q.7** a) Explain in detail factors responsible for extraction. **(07)**
b) Write briefly about physical stability of suspension. **(05)**
- Q.8** Write short notes on any **THREE** of the following: **(12)**
- a) Ideal properties of bases in suppository
 - b) Percolation
 - c) Catgut
 - d) Methods of preparation of emulsions

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