

**F.Y.B.PHARM. SEMESTER-I (2011 COURSE) : SUMMER - 2018**

**SUBJECT: MODERN DISPENSING PHARMACY**

Day : **Friday**  
Date : **27/04/2018**

**S-2018-3941**

Time **10.00 AM TO 01.00 PM**  
Max. Marks: 80

**N.B.**

- 1) Q.1 and Q.5 are **COMPULSORY**.
- 2) Out of the remaining attempt any **TWO** questions from each Section.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.
- 4) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** Answer the following any **FIVE** : **(10)**
- a) Define the term PMR. Enlist the importance of PMR.
  - b) Write briefly about 'Refilling instructions' in the prescription with example.
  - c) Write the various types of prescriptions.
  - d) Define the term isotonicity. Enlist its importance in parenteral dosage forms.
  - e) How many grams of sodium chloride will be required to prepare 1 lit of 3.5% solution?
  - f) What is the proof strength of 80% v/v and 40% v/v pf ethanol?
- Q.2** a) Write in detail about the handling of prescription. **(07)**  
b) Define and classify the types of containers. Enlist the features of containers. **(08)**
- Q.3** a) Define the term incompatibility. Write in detail about the physical incompatibility. **(07)**  
b) Explain the types of prescription errors with examples. **(08)**
- Q.4** Write notes on any **THREE**: **(15)**
- a) Factors affecting dose calculation
  - b) Chemical incompatibility
  - c) Development changes in USP
  - d) Pictograms and patient information leaflets

**SECTION – II**

- Q.5** Answer the following any **FIVE** : **(10)**
- a) Define the term capsule. Enlist its advantages.
  - b) Write the oil:water:gum ratio used in the preparation of emulsion.
  - c) Enlist the ideal properties of ointment bases.
  - d) Write the role and examples of suspending and emulsifying agents.
  - e) What is the labeling direction and patient counseling for **i) Linctuses ii) Throat paint**.
  - f) Differentiate between liniments and lotion with example.
- Q.6** a) Define and write the advantages of sustained release tablets. Explain the patient –counseling for the sustained release tablets. **(07)**  
b) Write in detail about the formulation aspects of suspensions. **(08)**
- Q.7** a) Define and classify the emulsion. Write in detail about the identification tests of emulsion. **(07)**  
b) Explain in detail the fundamental operations followed in case of compounding of powders. **(08)**
- Q.8** Write notes on any **THREE**: **(15)**
- a) Compounding and Dispensing aspects of Simple syrups
  - b) Suppository bases
  - c) Enemas
  - d) Type and preparation of ointment

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