

Roll No.

Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.-1)
INTRODUCTION TO DOSAGE FORM
Subject Code : PHM-112
Paper ID : [D0144]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **FOUR** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

SECTION-A

1. Answer briefly :

- a. What is the difference between soft and dry extracts give one example of each.
- b. Define douches with example.
- c. Differentiate between lotions and liniments.
- d. What is the difference between tincture and sprits?
- e. Why it is not always advised to reduce the size of herbal drug to fine powder to extract the active constituents of drug.
- f. What is cool temperature?
- g. What are the uses of hydrocolloids in any pharmaceutical preparation?
- h. Name any two sweetening agents which are used in liniments.
- i. Explain the term Pharmacopoeia. Who publishes Indian Pharmacopoeia?
- j. What is the use of lubricant in any formulation, give an example? ,
- k. What is the difference between true antioxidants and reducing agents? Give one example of each.
- l. What is the use of surfactant in any liquid formulations, support your answer with appropriate examples?
- m. Differentiate between infusion and decoction

- n. Differentiate between emulsion and suspension.
- o. Give reason why liniments were stored in blue colored rough surfaced bottles?

SECTION-B

- 2. Explain scope of pharmacy in India in various sectors.
- 3. Why preservatives are incorporated in any formulation? Classify different classes of preservatives with suitable examples.
- 4. What are the uses of allergen extracts? Explain different allergen extracts.
- 5. Define any five terms with suitable examples
 - a. Glycerides
 - b. Douches
 - c. Vitrallae
 - d. Tinctures
 - e. Soft Extract
 - f. Counter irritant and rubefacient
- 6. Differentiate between elixirs and syrups give example of each. Explain the various methods of preparations of simple syrup I.P.

SECTION-C

- 7. What is the use of surfactant in any formulation? Classify and explain surfactants with suitable examples.
- 8. Write the method of preparation storage and uses of any two of following:
 - a. Elixirs
 - b. Lotions
 - c. Aromatic Waters
- 9. Explain the extraction process and galenicals. Explain different leaching processes, with their modifications, used for the preparation of official formulations. Give at least two official examples of each process.
- 10. Write an exhaustive note on various Pharmacopieas and enlist salient features of latest edition of Indian Pharmacopoeia.