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

Max. Marks : 80

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.**

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. Vitallae
 - 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 Pharmacopoeias and enlist salient features of latest edition of Indian Pharmacopoeia.