

IMPORTANT QUESTIONS

For

B. Pharmacy First Year I-Semester

Subject: Pharmaceutics-I

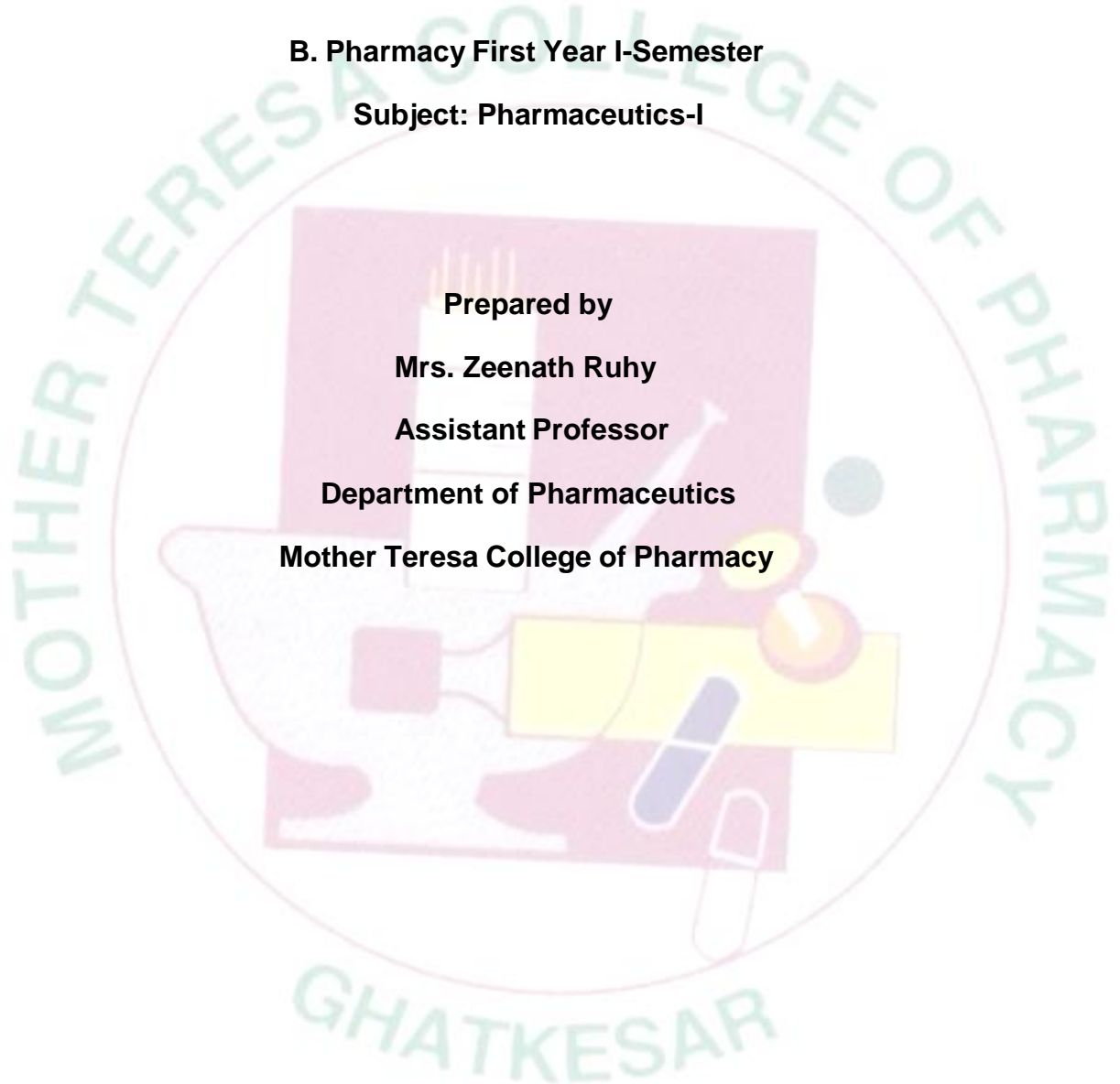
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UNIT-I

Section-I: Very Short Answer Questions.

1. Write the formulae for Pediatric dose calculation based on age, body weight and body surface area. [Young's Formula, Dilling's, Clark's]
2. Define the terms "Pharmacopoeia". Mention the name of any three Pharmacopoeias.
3. Define the terms Unit dosage form. Give example.
4. What do you know about Dentifrices?
5. Classify Semisolid Dosage forms with example.
6. Define Synergism. Give example.
7. Define
 - a) Emulsions
 - b) Suspensions
 - c) Pastes
 - d) Ointments
 - e) Syrups
 - f) Elixirs
 - g) Lotions

Section-II: Short Answer Questions.

1. Write about the scope of Pharmacy in India?
2. Write a note on "Indian Pharmacopoeia".
3. Write a note on Evolution of Pharmacy.
4. Explain in brief about error in prescription.

Section-III: Long Answer Questions

1. What is Prescription? Explain parts of Prescription and handling of Prescription
2. Define Posology. Explain different factors influencing selection of dose.
3. Define Dosage forms Classify Different Dosage forms. Write about the solid dosage forms.

UNIT-II

Section-I: *Very Short Answer Questions.*

1. How many grams of dextrose is required to prepare 4000ml of a 5% solution?
2. List excipients used in effervescent powder.
3. Define Eutectic mixtures. Give Examples.
4. What are effervescent powders? Give Examples.
5. Find the strength of 95% v/v alcohol in terms of proof spirit.

Section-II: *Short Answer Questions.*

1. Explain various Solubility Enhancement Techniques?
2. Classify Powders. Write a note on effervescent powders.
3. Convert 60° O.P and 35° U.P to % v/v alcohol and 40 % v/v and 75% v/v alcohol to proof spirit.
4. Define Isotonicity. Problems based on isotonic solutions.
5. Define Liquid Dosage form. Write in detail the excipients used in formulation of Liquid Dosage form.

UNIT-III

Section-I: *Very Short Answer Questions*

1. Write the formula of Mouthwashes.
2. Differentiate Gargles and Mouthwashes.
3. Differentiate Liniments and Lotions
4. Differentiate Suspensions and Emulsions.

Section-II: *Short Answer Questions.*

1. What are emulsions? Explain various identification tests for emulsions.
2. Write a short note on Ear drops and Nasal drops.
3. Write a note on stability problems in emulsions.
4. Differentiate between flocculated and deflocculated suspensions.
5. Write a note on emulsifying agents.

Section-III: Long Answer Questions

1. Write a note on different methods of preparations of emulsions and stability problems in emulsions.
2. Classify Suspensions. Discuss the formulation of suspension and stability problems in Suspensions.
3. Classify Monophasic Liquid Dosage form. Discuss about the preparations which are used in syrups and elixirs.

UNIT-IV

Section-I: Very Short Answer Questions

1. Find the incompatibility present in the given formulae and write the correct method.
Castor oil 15ml
Water up to 60ml makes an emulsion.
2. Give an example of physical incompatibility and how do you remove it?
3. Give the example of bases used in suppositories.
4. Write any two advantages and disadvantages of suppositories.
5. (**QUESTION may be asked based on**) Finding the type of incompatibilities given in prescriptions.

Section-II: Short Answer Questions.

1. Describe the therapeutic incompatibilities and methods to overcome them.
2. Define suppositories. What are different bases used in preparation of suppositories.
3. Write a short note on evolution of suppositories.
4. Write a note on alkaloidal chemical incompatibility with examples and their correction method.

Section-III: Long Answer Questions

1. Explain chemical and therapeutic incompatibility with suitable example and give the methods for overcoming these incompatibilities.
2. What are incompatibilities? Describe in detail about physical incompatibilities and their remedies with suitable example.

UNIT-V

Section-I: Very Short Answer Questions

1. Classify semi-solid dosage forms.
2. Explain any two factors influencing dermal penetration of drugs.
3. Define paste. Mention various types of bases employed in preparation of pastes.

Section-II: Short Answer Questions.

1. Write the mechanism of dermal penetration of drugs.
2. Explain different methods of preparation of ointments.
3. Write a short note on thickening agents and wetting agents.
4. Write a short note on evolution methods of semi-solid dosage forms.

Section-III: Long Answer Questions

1. Define Ointment. Give an account of various bases used in preparation of ointment. Add a note on the method of preparation of ointment.

