

## M.Sc Semester-2 Examination

408

Pharma Science

April-2024

[Max. Marks : 70]

Time : 2-30 Hours]

Q.1A	Define the term "Prescription". Write a note on Handling of prescription.	7
Q.1B	Explain in detail parts of Prescription.	7
	OR	
Q.1A	Define the term dosage form. Write a note on classification of dosage form.	7
Q.1B	If a prescription requires 400mg of bismuth subgallate per suppository weighing two grams, what would be the displacement value? If it is known that six suppositories with required bismuth subgallate weigh 13.6 g.	7
Q.2 A	Write a note on liquid dosage form for external administration.	7
Q.2 B	Write a note on theoretic consideration in suspensions.	7
	OR	
Q.2 A	What is an emulsion? Write a note on classification and identification tests of emulsion.	7
Q.2 B	Write a note on formulation of emulsion.	7
Q.3 A	Explain different types of semi-solid dosage form.	7
Q.3 B	What are suppositories. Explain the bases used in formulation of suppositories.	7
	OR	
Q.3 A	Write a note on classification and preparation method of suppositories.	7
Q.3 B	Explain the mechanism of drug penetration through the skin and factors affecting it.	7
Q.4 A	Explain the chemical incompatibilities which occur due to evaluation of carbon dioxide.	7
Q.4 B	Discuss in brief, the various reasons which cause therapeutic incompatibility.	7
	OR	
Q.4 A	Explain the miscellaneous incompatibilities in detail.	7
Q.4 B	Write a short note on the following: a. Adjusted and tolerated incompatibility b. Synergistic and antagonistic drug c. Immediate and delayed incompatibility. d. Liquefaction. e. Precipitate yielding interactions.	7
<b>Q.5</b>	<b>ANSWER THE FOLLOWING SHORT QUESTIONS (ANY 7)</b>	<b>14</b>
1	What information should be provided while labelling of dispensed medicines.	
2	What is the difference between compounded and non-compounded prescription.	
3	Name two systems of pharmaceutical calculation.	
4	What is an astringent effect.	
5	Define Zeta potential.	
6	What is the difference between suspension and emulsion.	
7	What are cachets.	
8	What are the routes of drug penetration through skin.	
9	What is the difference between pastes and ointments.	
10	What are the stages at which incompatibilities can occur.	
11	Define Eutectic mixtures.	
12	What is the difference between intentional and unintentional chemical incompatibility.	