

PHARMACEUTICAL TECHNOLOGY - I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What is the need of study of partition coefficient in preformulation?
 - What are the different types of additives used in the formulation of liquid orals?
 - What are semisolid dosage forms? List out the evaluation tests for semisolid preparations.
 - What are aerosols? Give the packaging methods for aerosols.
 - What are epilatories and depilatories?
 - List out the evaluation tests for emulsions.
 - How do you select a semisolid base for semi solid preparations?
 - Write the pharmaceutical applications of aerosols.
 - Give the general formula for a shampoo.
 - What are the evaluation tests for clear liquids?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Discuss the effect of following physicochemical properties on formulation:
- Density.
 - Organoleptic additives.
 - Hydrolysis.

OR

- 3 Discuss the importance of drug-excipient compatibility studies in preformulation.

UNIT – II

- 4 Give informative notes on the following with reference to liquid dosage forms:
- Suspending agents.
 - Solubilizers.
 - Colors and flavours.

OR

- 5 Write the method of preparation and evaluation of emulsions.

UNIT – III

- 6 Discuss general formulation and evaluation of semi-solid dosage forms.

OR

- 7 What are the ideal requirements of a suppository base and add a note on different types of suppository bases with examples.

UNIT – IV

- 8 Discuss quality control tests for aerosols.

OR

- 9 Write formulation and packaging of pharmaceutical aerosols.

UNIT – V

- 10 Describe formulation, preparation and packaging of emollient lotions.

OR

- 11 Write formulation, preparation and evaluation of tooth pastes.
