

Code: 13R00504

SS

B.Pharm III Year II Semester (R15) Regular Examinations May/June 2018

PHARMACEUTICAL TECHNOLOGY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is the effect of polymerization on formulation?
 - (b) Name some stabilizers used in liquid dosage forms.
 - (c) What are the ideal requirements of suppository bases?
 - (d) List out the quality control tests for aerosols.
 - (e) Give the general formula for the preparation of compact face powders.
 - (f) What is the importance of solubility in preformulation study?
 - (g) List out some official suspensions and emulsions.
 - (h) Give general formula for ophthalmic preparations.
 - (i) Name some propellants used in pharmaceutical aerosols.
 - (j) List out baby care products.

PART – B

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

UNIT – I

- 2 Write the importance of the following physicochemical properties in preformulation study:
- (a) Particle size.
 - (b) Dielectric constant.
 - (c) Racemization.

OR

- 3 Write a detailed note on stability testing of finished products as per ICH guidelines.

UNIT – II

- 4 Discuss formulation and method of preparation of ophthalmic.

OR

- 5 Describe manufacturing, packaging and evaluation of clear liquids.

UNIT – III

- 6 Discuss different mechanisms for drug penetration and add a note on factors influencing penetration.

OR

- 7 Describe manufacturing procedure, packaging and evaluation of suppositories.

UNIT – IV

- 8 Write manufacturing and packaging of pharmaceutical aerosols.

OR

- 9 Write a detailed note on propellants used in aerosols.

UNIT – V

- 10 Discuss formulation, preparation and packaging of sunscreen lotions.

OR

- 11 Write formulation and evaluation of tooth powders.
