

B.Pharm III Year I Semester (R13) Supplementary Examinations November 2017

PHARMACEUTICAL TECHNOLOGY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Explain the significance of polymorphism in preformulation.
 - (b) Add a note on baby care products.
 - (c) Explain the significance of solubility in preformulation.
 - (d) Give classification of emulsifying agents.
 - (e) Add a note on solubilizers used in liquid dosage form.
 - (f) Add a note on shampoo.
 - (g) Enlist types of suppository bases.
 - (h) Enlist names of hydrocarbon propellants used in aerosols.
 - (i) Define pharmaceutical aerosol system and its working.
 - (j) Give formulation aspect of face powder.

PART – B

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

UNIT – I

- 2 Explain various physicochemical parameters under preformulation study.

OR

- 3 Elaborate on various routes of degradation of drugs with examples and its significance in preformulation study.

UNIT – II

- 4 Give types of emulsions. Explain formulation aspect of stable emulsion with additives used in it.

OR

- 5 (a) Explain formulation aspect of ophthalmic products.
(b) Give tests for detection of types of emulsion.

UNIT – III

- 6 Explain formulation aspect of ointment and add a note on types of bases used in it.

OR

- 7 Add a note on penetration enhancers used in semisolids. Explain evaluation test parameters of semisolids.

UNIT – IV

- 8 Explain packaging of aerosols. Give quality control tests for aerosols.

OR

- 9 Elaborate on methods used for filling of aerosols in container. Explain formulation aspect of pharmaceutical aerosols.

UNIT – V

- 10 Explain formulation, evaluation and packaging of dentifrices.

OR

- 11 Explain formulation, packaging of nail polish, lipsticks and eyelashes.
