

Code: 9R01504

R09

B.Pharm III Year I Semester (R09) Supplementary Examinations November/December 2016

PHARMACEUTICAL TECHNOLOGY – I

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Write about stability testing of finished products as per ICH guidelines.
(b) Briefly discuss about the various physiochemical properties involved in the pre-formulation study.
- 2 (a) Define additives. Add a note on various types of additives used in pharmaceutical formulations.
(b) Briefly discuss about the differences between suspension and emulsion.
- 3 (a) Write about different mechanisms of semisolid drug penetrations with suitable examples.
(b) Briefly discuss about manufacturing procedure and packing of ointments.
- 4 (a) Write about various pharmaceutical applications of aerosols.
(b) Briefly discuss about significant of propellants in aerosol preparation.
- 5 (a) Write about types of containers used in ophthalmic preparations.
(b) Write about the various requirements of ophthalmic preparations.
- 6 (a) Write the structure and function of skin.
(b) Briefly discuss about the preparation and evaluation of hair creams.
- 7 (a) Explain about different types of packing materials used in the cosmetic preparations.
(b) Write about the baby care products.
- 8 (a) Write about different types of bases used in preparation of suppositories.
(b) Give an account on evaluation techniques involved in suppositories.
