

Total No. of Questions :7]

[Total No. of Printed Pages :2

[2]

Roll No. 0150PV111018

PY-402

B.Pharm. IV Semester

Examination, June 2018

Pharmaceutics-V
(Dosage Form Design)

Time : Three Hours

Maximum Marks : 70

RGPVONLINE.COM

Note: Attempt any five questions.
All questions carry equal marks.

1. a) Discuss the importance of pharmaceutical factors affecting the drug formulation. 8
b) Write note on drug-exciipient compatibility. 6
2. a) Write various types of suppository bases. 7
b) Write brief note on preservatives for oral and parenteral formulations. 7
3. a) Write brief classification of polymers. Discuss the properties of polymer. 8
b) How polymers are evaluates. 6

4. a) Describe the protocol design for stability testing of various dosage form. 7
b) How self life of a drug product is determined? 7
5. a) Describe the various stages in drug discovery and its development process. 7
b) Discuss the factors to be considered in design of new drug product. 7
6. a) Write brief account on film theory for dissolution. 7
b) Describe the design of USP type I and type II dissolution apparatus. 7
7. Write short notes on any three : 14
 - a) Biodegradable polymers
 - b) Disintegrating agents
 - c) Partition coefficient and Pka
 - d) Dissolution media

RGPVONLINE.COM