

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Winter 2018-19 Examination

Semester: 7**Subject Code: 08101403****Subject Name: Pharmaceutical Technology-II****Date: 10-12-2018****Time: 02:00 pm to 05:00 pm****Total Marks: 75****Instructions:**

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)

1. Explain various types of additives which are used in parenteral preparations.
2. Discuss ideal properties of suppository base. Write a short note on suppository bases.
3. Define Aerosols. Give a brief account of propellants.

Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)

1. Write a short note on Prefilled syringes.
2. Explain preparation, storage and distribution of Water for injection.
3. Write a note on freeze dried products.
4. Write a brief note on Micro-emulsion.
5. Write a note on manufacturing of aerosols by cold filling techniques.
6. Discuss in brief about ocular inserts for ophthalmic use.
7. Discuss in brief the evaluation test for suspensions.
8. Explain mechanisms of drug penetration through skin.
9. Write a note on Dried Human Plasma.

Q.3 Answer in short. (2 marks each) (20)

1. Comment: Ophthalmic product should be used within one month after opening the cap.
2. Comment: Conventional suspensions can be administered through parenteral route.
3. Give the difference between flocculated and deflocculated suspension.
4. Explain the following evaluation tests for aerosols: Flammability and combustibility.
5. What are the advantages of Transfusing RBC over Whole Blood?
6. Define Total Parenteral Nutrition. When it is necessary to administer?
7. Give four examples of preservatives used in pharmaceutical formulation.
8. Comment: Vertical laminar air flow is better than horizontal laminar air flow for parenteral manufacturing.
9. Comment: LAL test is more preferable than rabbit test.
10. What are clean rooms? Discuss the standards for clean rooms.