

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm., Summer 2017-18 Examinations

Semester: 6
Subject Code: 08101353
Subject Name: Pharmaceutical Technology-I

Date: 19-05-2018
Time: 10:00AM to 01:00PM
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. Define tablet. Describe the detail methods of tablet granulation.
2. What is Microencapsulation? Enlist various method of microencapsulation and explain any two method in detail
3. Explain the manufacturing process of hard gelatin and soft gelatin capsules.

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

1. Enumerate tablet evaluation parameters. Write in detail about dissolution test of tablets.
2. What are processing problems and remedies for tablets?
3. Explain the sugar coating process in detail with necessary examples of excipients.
4. Draw the compression cycle of a rotary tablet press with explanation.
5. Explain quality control tests of soft gelatin capsules.
6. Classify cosmetics. Write a note on sunscreen.
7. Discuss application of biodegradable and non-biodegradable polymers in microencapsulation.
8. Describe the detailed formulation and evaluation of dental products.
9. Write a note on glass used for packaging of pharmaceuticals with pharmacopoeial tests for its evaluation.

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

1. Explain in brief about various mechanism of disintegration.
2. Compare hard gelatin capsules with soft gelatin capsules.
3. Write briefly about operations involved in filling of drugs using capsule filling Machine.
4. Enlist advantages and disadvantages of microcapsules.
5. Differentiate between vanishing cream and cold cream.
6. Write a brief note on Lipsticks.
7. Classify type of packing materials. Discuss criteria for selection of pharmaceutical packaging material.
8. What are temper evident containers and closures?
9. Explain briefly about various evaluation parameters for micro-capsulation.
10. What is the principle of coating? Enlist different types of coating process.