

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

Semester: 6**Subject Code: 08101353****Subject Name: Pharmaceutical Technology-1****Date: 06/04/2019****Time: 10:00am to 1:00pm****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 tablets and give the classification of different types of tablets. Explain physics of tablets in detail.
2. Define microencapsulation and list down the different methods of preparation of microcapsules. Explain in detail the micro-encapsulation by coacervation-phase separation method.
3. Define hard gelatin capsules. Explain the formulation and quality control of hard gelatin capsules .

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

1. Define Shaving creams and give their formulation.
2. Differentiate between hard gelatin and soft gelatin capsules
3. Define Pharmaceutical Packaging and Give details of glass as the packaging material.
4. Give the Pharmacopoeial and nonpharmacopoeial tests for different types of tablets.
5. What are the sunscreen preparations ? Give the formulation and evaluation of sunscreens?
6. Explain Air Suspension method of microencapsulation.
7. Describe the working of fluidized bed coating
8. Describe the slugging process and list its advantages and disadvantages.
9. Describe process involved in preparation of cold creams and methods of evaluation of cold creams.

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

1. Define Dentifrice and give their examples.
2. Give examples of biodegradable and non-biodegradable polymers used in microcapsules.
3. Describe the types of gelatin used in formulation of capsules.
4. What are the criteria for the selection of a drug for direct compression technique?
5. What is the principle of effervescent tablets?
6. Define tamper-evident and child resistance closures.
7. Wet granulation is not suitable for calcium lactate tablets. Why?
8. Define primary and secondary packaging.
9. Define cosmeceuticals and give their examples.
10. What is the purpose of mouth dissolving tables?