

Jadavpur University
Department of Pharmaceutical Technology
Kolkata-700032.

B.Pharm/ 3rd year/ 5th Sem/Time 3 hrs/ FM 75/ 2023-24(S)

Course: Industrial Pharmacy-I

Code: BP502T

Note: Question 1 is Compulsory.

Q1. Answer the following questions. 10x2M=20 Marks

- a. Define emulsion.
- b. Explain preformulation study.
- c. Give the types of tablet granulation.
- d. Give two examples of tablet binders.
- e. Define sedimentation volume.
- f. Define function of propellant
- g. What is the chemical formula of propellant propellant 112?
- h. Name the methods to test pyrogen?
- i. Give few of compressed gases as propellant
- j. What is the role of the chelating agent in pharmaceutical parenteral products?

Long Answer Questions 2 x 10Marks = 20Marks

(Answer 2 out of 3)

- Q2. Write about the preparation of cold cream with composition. 10**
- Q3. Describe in the physical properties of drugs to be studied at preformulation stage. 10**
- Q4. How the nomenclature of propellant is fixed describe with some examples. 10**

Short Answer Question 7 x 5Marks = 35Marks

(Answer 7 out of 9)

- Q5. Give the identification tests for emulsion.**
- Q6. Differentiate flocculated and deflocculated suspension.**
- Q7. Write note on BCS classification of drugs (including examples and significance)**
- Q8. Classify cosmetics with examples.**
- Q9. Write a note on Shampoo.**
- Q10. How leakage test for parenteral product is done?**
- Q11. Describe LAL test in details.**
- Q12. Discuss about different glass containers for parenteral product.**
- Q13. Give a discussion on different types of actuators.**