

Jadavpur University
Department of Pharmaceutical Technology
Kolkata-700032.

B.Pharm/ 3rd year/ 5th Sem/Time 3 hrs/ FM 75/ 2024-25

Course: Industrial Pharmacy-I

Code: BP502T

Note: Question 1 is Compulsory.

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

- a. Define polymorphism with examples.
- b. Give examples of preservatives used in liquid oral dosage form.
- c. When disintegrating agent is added in tablet preparation and why?
- d. Define suspension and emulsion.
- e. Define slug and floc.
- f. What are the full form of LAL test and BET?
- g. Specify pH in which phosphate and acetate buffer system work?
- h. Name at least three antimicrobial agents used for parenteral preparation.
- i. What will be the orifice size for foam type and solid stream type actuators?
- j. Why is ferrule or mounting cup used in aerosol container?

Long Answer Questions

2 x 10 Marks = 20Marks

(Answer 2 out of 3)

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| Q2. Describe wet granulation in details. | 10 |
| Q3. Discuss different evaluation tests for parenteral preparation | 10 |
| Q4. Discuss the process for manufacturing of hard gelatine capsule. | 10 |

Short Answer Question

7 x 5Marks = 35Marks

(Answer 7 out of 9)

- Q5. Discuss about formulation of eye drops.
- Q6. Discuss different parts of the valve for aerosol container.
- Q7. What are the types of aerosol containers used?
- Q8. Why are tonicity modifiers important for parenteral preparations. 2.5+2.5
- Q9. Differentiate flocculated and deflocculated suspension.
- Q10. Give the definition and importance of preformulation studies.
- Q11. Write down the formulation considerations of liquid dosage form.
- Q12. Give a brief account on sunscreen preparation.
- Q13. Give the various in-process and finished product tests for tablets.

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