



Library  
Pharmaceutical Technology  
Brainware University  
Barasat, Kolkata-700125

## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Pharm-2019/B.Pharm-2020/B.Pharm-2022/B.Pharm-  
2023/B.Pharm-2024

Course Name – Pharmaceutics I

Course Code - BP103T

( Semester I )

Full Marks : 75

Time : 3:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Indicate the correct one, lotions applied for external application \_\_\_\_\_.
- |  |                     |
|--|---------------------|
| a) with friction                           | b) without friction |
| c) both with friction and without friction | d) none of these    |
- (ii) Select the meaning of i.c.
- |                 |                  |
|-----------------|------------------|
| a) before meals | b) between meals |
| c) after meals  | d) slowly        |
- (iii) Select the meaning of o.n.
- |                  |                         |
|------------------|-------------------------|
| a) every morning | b) breakfast            |
| c) every night   | d) early in the morning |
- (iv) Recall the year when B.P was first published.
- |         |         |
|---------|---------|
| a) 1863 | b) 1864 |
| c) 1865 | d) 1866 |
- (v) Recall the full form of of API.
- |                                     |                      |
|-------------------------------------|----------------------|
| a) Andhra parliament                | b) Active parliament |
| c) Active pharmaceutical ingredient | d) None of these     |
- (vi) Select the latin word used for writing the directions to the patient.
- |                   |                 |
|-------------------|-----------------|
| a) Signatura      | b) Subscription |
| c) Superscription | d) Inscription  |
- (vii) State the year when first USP was published.
- |         |         |
|---------|---------|
| a) 1820 | b) 1864 |
| c) 1945 | d) 1955 |
- (viii) Which sieve should be used to remove the grittiness of dusting powder?
- |        |        |
|--------|--------|
| a) 100 | b) 120 |
| c) 80  | d) 40  |

- (ix) Which is the viscosity-enhancing agent in throat paint?
- Glycerine
  - Polyethylene glycol
  - Propylene glycol
  - All of these
- (x) State the vehicle that is present in the linctus.
- Always syrup
  - Aromatic waters
  - Water
  - None of these
- (xi) Judge when synergism occurs
- Drugs are taken in a short interval
  - Drugs are accumulated in the body
  - Two or more drugs are used in combination and their action increased
  - None of these
- (xii) Choose the correct one, o.m. means
- every morning
  - breakfast
  - every night
  - early in the morning
- (xiii) Choose the correct one, pil means
- a pill
  - a paste
  - Powder
  - None of these
- (xiv) Identify the correct statement, Lotions are liquid preparation meant for external application \_\_\_\_\_
- With friction
  - Without friction
  - Both With friction and Without friction
  - None of these
- (xv) Identify the correct one, rose oil is used as \_\_\_\_\_ in preparation of syrup.
- vehicle
  - colouring agents
  - Flavoring agents
  - Chemical stabilizers
- (xvi) Indicate the correct one, w/o/w emulsion is known as \_\_\_\_\_.
- Primary emulsion
  - Microemulsion
  - Multiple emulsion
  - Monoemulsion
- (xvii) Indicate the correct example of biphasic liquid dosage form.
- Suspension
  - Syrup
  - Liniments
  - Elixir
- (xviii) Indicate the correct one, HLB value of emulsifying agents used for the preparation of w/o emulsion is \_\_\_\_\_
- 3-6
  - 7-9
  - 8-18
  - 13-15
- (xix) Complete the sentence, Physical incompatibilities can be corrected by
- Order of mixing
  - Alteration of solvents
  - Alteration of volumes
  - All of these
- (xx) Predict dusting powders are typically used for which purpose?
- Oral administration
  - Injection
  - External application
  - Inhalation

### Group-B

(Short Answer Type Questions)

5 x 7=35

- State the years in which Indian Pharmacopoeia got published and the chairmen, under whom it got published (5)
- Describe British Pharmacopoeia in brief (5)
- Memorize the classification of liquid dosage form. (5)
- Discuss mouth wash and throat paint in detail. (5)
- Describe the advantages of fatty bases in suppositories. (5)
- Calculate the volume of 95 percentage alcohol required to prepare 600ml of 70 percent alcohol. (5)

OR

How many proof gallons are contained in 5 gallon of 70%v/v alcohol?

(5)

8. State about dose calculation in Pharmacy

(5)

OR

Classify dosage forms.

(5)

**Group-C**

(Long Answer Type Questions)

10 x 2=20

9. Illustrate various types of solid and semisolid dosage forms

(10)

10. Compare suspension with emulsion and ointment with paste.

(10)

OR

Compare flocculated suspension with deflocculated suspension and hydrophilic emulsifying agent with lipophilic emulsifying agent.

(10)

\*\*\*\*\*

Library  
Pharmaceutical Technology  
Brainware University  
Barasat, Kolkata - 700125