



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – D.Pharm-2024/D.Pharm-2025

Course Name – Pharmaceutics - Theory

Course Code - ER20-11T

(Year I)

Full Marks : 80

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. Choose the correct alternative from the following :

1 x 20=20

- (i) When first edition of Indian Pharmacopoeia was published?
 - a) 1948
 - b) 1950
 - c) 1955
 - d) 1960
- (ii) Which portion of GIT chewable tablets are disintegrated in?
 - a) Stomach
 - b) Oral cavity
 - c) Intestine
 - d) Colon
- (iii) Where Liniments are applied?
 - a) Broken skin
 - b) Intact skin
 - c) Internal application
 - d) Intranasal route
- (iv) Predict sweet aromatic preparation is commonly known as.
 - a) Lotions
 - b) Inhalations
 - c) Liniments
 - d) Elixir
- (v) Which one of the following is not an identification test for emulsions?
 - a) Dilution test
 - b) Dye test
 - c) Conductivity test
 - d) Leakage test
- (vi) What role does calcium carbonate serve in the preparation of dentifrices?
 - a) Foaming agent
 - b) Abrasive substance
 - c) Preservative
 - d) Glidant
- (vii) Which of the following option is not classified as tablets?
 - a) Troches and lozenges
 - b) Effervescent tablets
 - c) Granules
 - d) Tablet triturates
- (viii) Which is the suitable mill for size reduction of Rauwolfia?
 - a) Roller mill
 - b) Ball mill
 - c) Cutter mill
 - d) Colloid mill
- (ix) Which one of the following is not used in amber coloured glass?

- a) Iron b) Silver
c) Copper d) Magnesium dioxide
- (x) Identify the correct option: Simple maceration process is done in covered vessel for-
- a) 2 days b) 4 days
c) 7 days d) 10 days
- (xi) Identify the correct answer: In which of the following process, drug is kept with menstruum for 15 minutes?
- a) Maceration b) Infusion
c) Digestion d) Percolation
- (xii) Indicate the correct option: Starch is an example of-
- a) Lubricant b) Binder
c) both lubricant and binder d) None of these
- (xiii) Select the correct answer: Which one of the following is not a filter aid?
- a) Diatomite b) Carbon
c) Gelatin d) Asbestos
- (xiv) Identify the number of tablets needed for friability test.
- a) 5 b) 10
c) 20 d) None of these
- (xv) Identify the correct option: Which percentage of relative humidity should be needed to handle empty capsules of gelatin?
- a) 1% to 5% b) 15% to 30%
c) 30% to 45% d) 45% to 60%
- (xvi) Select the correct answer: DTAB describe as-
- a) Drugs Technical Advisory Board b) Drugs Teacher Advisory Board
c) Dose Technical Advisory Board d) None of these
- (xvii) Identify the correct option: CDL describe as-
- a) Central Drugs Laboratory b) Central Drugs Lab
c) Central Dose Laboratory d) None of these
- (xviii) Select the correct option: Type I glass identify as-
- a) Borosilicate glass b) Normal glass
c) Both a and b d) None of these
- (xix) Select the correct answer: Type IV or NP identify as-
- a) Borosilicate glass b) Normal glass
c) General purpose soda-lime glass d) Treated soda-lime glass
- (xx) Identify the correct answer: Titanium dioxide (TiO₂) identify as-
- a) Mineral b) Animal
c) Plant d) None of these

Group-B

(Short Answer Type Questions)

3 x 10=30

2. Define Tablets and list the classification based on route of administration. (3)
3. Describe functions of Quality Assurance. (3)
4. Discuss vaccine prepared from killed microorganism. (3)
5. Classify injectable products with examples. (3)
6. Write advantages and disadvantages of emulsions. (3)
7. Write advantages and disadvantages of oral liquid preparations. (3)
8. Describe various flavoring agents used in pharmaceutical formulations. (3)
9. Describe various preservatives used in pharmaceutical formulations. (3)
10. Describe the composition of glass. (3)
11. Classify vaccines with examples. (3)

OR

Differentiate active and passive immunity.

(3)

Group-C

(Long Answer Type Questions)

5 x 6=30

12. Define packaging and pharmaceutical packaging. (5)
13. Explain rubber and its ideal properties. (5)
14. Define GMP with its significance. (5)
15. Discuss formulation of vaccines. (5)
16. Describe Pharmaceutical Manufacturing Plant layout with its characteristics. (5)
17. Classify microencapsulation drug delivery systems with examples. (5)

OR

Explain advantages and disadvantages of eye drops.

(5)
