



# BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – D.Pharm-2022/D.Pharm-2023

Course Name – Pharmacognosy - Theory

Course Code - ER20-13T

( Year I )

Library  
Pharmaceutical Technology  
Brainware University  
Barasat, Kolkata-700125

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 x 20=20

1. Choose the correct alternative from the following :

(i) Identify the correct answer: Hippocratic theory indicates \_\_\_.

- |               |             |
|---------------|-------------|
| a) Homeopathy | b) Siddha   |
| c) Unani      | d) Ayurveda |

(ii) Identify the correct answer: The Organon of Medicine was compiled by \_\_\_.

- |              |                      |
|--------------|----------------------|
| a) Siddhars  | b) Phythagoras       |
| c) Aristotle | d) Samuel Hanhнемann |

(iii) Identify the correct answer: Barbaloin is a active constituent of \_\_\_.

- |                       |                     |
|-----------------------|---------------------|
| a) Datura Stramonium  | b) Aloe Barbadensis |
| c) Papaver Somniferum | d) Nerium Indicum   |

(iv) Identify the correct answer: Gelatin is an \_\_\_.

- |                   |                |
|-------------------|----------------|
| a) Vegetable drug | b) Animal Drug |
| c) Mineral        | d) Metals      |

(v) Select the correct answer: Condensed tannins are \_\_\_.

- |                     |                 |
|---------------------|-----------------|
| a) Non hydrolysable | b) Hydrolysable |
| c) Miscible         | d) Immiscible   |

(vi) Predict the correct answer: Alkaloids are \_\_\_.

- |                |                    |
|----------------|--------------------|
| a) Nitrogenous | b) Non Nitrogenous |
| c) Oxygenated  | d) Dehydrogenated  |

(vii) Select the correct answer: Sugar moiety of Glycosides is known as \_\_\_.

- |             |             |
|-------------|-------------|
| a) isoprene | b) Genin    |
| c) Glycone  | d) Terpenes |

(viii) Choose the correct answer from the following: Chlorogenic acid in coffee is an example of \_\_\_.

- |            |              |
|------------|--------------|
| a) Tannins | b) Glycoside |
|------------|--------------|

- c) Pseudotannins  
 (ix) Write the name of a jelling agent.  
 a) Acacia  
 c) Agar  
 (x) Choose the correct answer: The Keller-Killani test is applied for \_\_\_\_.  
 a) Glycoside  
 c) Saponin  
 (xi) Choose the correct answer from the following- Dragendorff reagent is associated with \_\_\_\_\_  
 a) Volatile oil  
 c) Alkaloids  
 (xii) Identify the correct answer: The family of opium is \_\_\_\_.  
 a) Zingiberaceae  
 c) Papaveraceae  
 (xiii) Select the correct answer: the use of gokhru \_\_\_\_  
 a) Anti-diabetic  
 c) Anti-rheumatics  
 (xiv) Select the biological source of garlic \_\_\_\_.  
 a) Prunus amygdalus  
 c) Olea europaea  
 (xv) In which year penicillin was first discovered?  
 a) 1934  
 c) 1928  
 (xvi) Which one of the following contains omega-3 fatty acids?  
 a) Agar  
 c) Cod liver oil  
 (xvii) Which one of the following contains keratin?  
 a) Margosa  
 c) Hog weed  
 (xviii) Which one of the following is coming from Bombyx mori?  
 a) wool  
 c) rayon  
 (xix) Which one of the following is a chemo-protective reagent?  
 a) Santalene  
 c) Rosemarinic acid  
 (xx) Select the correct answer: An example of an electrically non-conductive crude drug \_\_\_\_.  
 a) Volatile oil  
 c) Alkaloids
- d) Alkaloids  
 b) Corn-starch  
 d) All of them  
 b) Alkaloid  
 d) Fixed oils  
 b) Terpenoids  
 d) Resins  
 b) Meliaceae  
 d) Liliaceae  
 b) Diuretics  
 d) Anti-Tumor  
 b) Lavandula angustifolia  
 d) Allium sativum  
 b) 1918  
 d) 1954  
 b) Ergot  
 d) Gelatin  
 b) Silk  
 d) Wool  
 b) cotton  
 d) silk  
 b) Eugenol  
 d) Cinnamic acid  
 b) Terpenoids  
 d) Resins

Library  
 Pharmaceutical Technology  
 Brainware University  
 Bangalore  
 70125

### Group-B

(Short Answer Type Questions)

3 x 10=30

2. Describe the principals of neutraceuticals. (3)
3. Write a short note on omega-3 fatty acids. (3)
4. Write a short note on spirulina. (3)
5. Describe the uses of kaolin and sodium alginate in pharmaceutical industry. (3)
6. Describe adulteration by pointing out some reasons associated with intentional adulteration. (3)
7. Describe any three identification test for volatile oil. (3)
8. Describe a note on glycoside with definition and different types based on their glycosidic linkage. (3)

9. What is the concept of tridosha theory? (3)  
10. What are oxytocic drugs? (3)  
11. Summarize a note on any three evaluative test for alkaloids. (3)

OR

Reframe a note on identification test for steroids. (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

12. Summarize a note on different evaluative parameters of evaluation. (5)

13. Explain a note about the indigenous systems of medicine. (5)

14. Describe a note on benzoin. (5)

15. Describe a short note about the nutraceuticals. (5)

16. Explain about the potential of medicinal and aromatic plants. (5)

17. Explain about the chemistry of omega-3 fatty acids and spirulina. (5)

OR

Explain a note on the advantages and disadvantages of herbal medicine formulation. (5)

\*\*\*\*\*

Library  
Pharmaceutical Technology  
Brainware University  
Barasat, Kolkata-700125