



16534



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – D.Pharm-2023/D.Pharm-2024

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) Select the correct answer from the following: Resin alcohols have ____.
 - a) High molecular weight
 - b) Low molecular weight
 - c) Moderate molecular weight
 - d) None of the these
- (ii) Select the correct number of isoprene units that are present in monoterpenes.
 - a) 2
 - b) 3
 - c) 4
 - d) 5
- (iii) Select the correct answer: Copper acetate test is also expressed as the ____.
 - a) Qualitative test
 - b) Biological test
 - c) Instrumental test
 - d) All of them
- (iv) Select the most suitable solvent for resin from the following.
 - a) Alcohol
 - b) Water
 - c) Diethyl ether
 - d) Concentrated acid
- (v) Write an example of a cardiac glycoside.
 - a) Almond
 - b) Black Mustard
 - c) Solanum
 - d) Digitalis
- (vi) Choose the correct answer from the following- Sugar moiety of glycoside is known as ____.
 - a) Isoprene
 - b) Genin
 - c) Glycone
 - d) Terpenes
- (vii) Choose the correct source of gelatin from the following.
 - a) Microorganism
 - b) Mineral

- c) Plant
d) Animal
- (viii) Choose the correct answer: Arabinose-containing drug is ____.
- a) Acacia
b) Tragacanth
c) Agar
d) Asafetida
- (ix) Choose the biological source of garlic from the following.
- a) *Prunus amygdalus*
b) *Lavandula angustifolia*
c) *Olea europaea*
d) *Allium sativum*
- (x) Choose the dietary supplement which has activity in DNA repairment in cancer patient.
- a) Tomatoes
b) Spirulina
c) Garlic
d) Turmeric
- (xi) Which of the following is called a sea onion?
- a) Squill
b) Gall
c) Yeast
d) Gelatin
- (xii) Which of the following is not a natural fiber?
- a) Silk
b) Hemp
c) Jute
d) Rayon
- (xiii) Which of the following classification is related to antigens produced by plant kingdom?
- a) Chemical
b) Alphabetical
c) Taxonomical
d) Serotaxonomical
- (xiv) In which Ayurvedic formulations preservative is not required?
- a) Lepa
b) Asava
c) Vatika
d) Pisti
- (xv) Which of the following is a synonym of *Ocimum sanctum*?
- a) Turmeric
b) Basil
c) Fennel
d) Guar gum
- (xvi) Which one of the following is an example of insoluble dietary fibers?
- a) Carrot
b) Oat meal
c) Apples
d) Nuts
- (xvii) Which one of the following is not included in the physical evaluation?
- a) Refractive index
b) Optical rotation
c) Specific gravity
d) Test with reagent
- (xviii) Select the correct answer: An example of an electrically non-conductive crude drug ____.
- a) Volatile oil
b) Terpenoids
c) Alkaloids
d) Resins
- (xix) Identify the phytoconstituent suitable for the hemolysis test.
- a) Alkaloid
b) Glycoside
c) Tannin
d) Saponin
- (xx) Which one of the following is the confirmatory test for alkaloid?
- a) Shinoda test
b) Foam test
c) Fiehs test
d) Mayers test

3. Describe indirect adulteration along with a short note on biological source and use of pale catechu. (3)
4. Classify different treatment procedure of Siddha system of medicine. (3)
5. Discuss a short note on the tridosha theory in ayurveda. (3)
6. Describe any three identification test for volatile oil. (3)
7. Define regenerated fibers along with ideal characteristics of sutures in pharmaceutical industries. (3)
8. Describe a note on vasaka. (3)
9. What is the biological source of vinca and punarnava? (3)
10. Write a short note on virha and vipaka as per Ayurveda. (3)
11. Classify nutraceuticals by their natural sources. (3)

OR

Classify dietary fibers as nutraceutical product along with its sources. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

12. Name some identification test for tannins with description of any one of them. (5)
13. Illustrate a note on ashwagandha with biological source, active constituents and therapeutic importance. (5)
14. Illustrate a note on the diagnosis process of Unani system of medicine. (5)
15. Write about the biological source, chemical constituents and uses of rauwolfia. (5)
16. Discuss briefly about the different scope of pharmacognosy. (5)
17. Explain a note on the olive oil as an important cosmeceutical product. (5)

OR

Explain the importance of garlic as nutraceuticals. (5)