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Library
Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125

BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – D.Pharm-2024/D.Pharm-2025

Course Name – Pharmacognosy - Theory

Course Code - ER20-13T

(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 x 20=20

1. Choose the correct alternative from the following :

(i) Identify the correct answer: Father Of natural history is _____.

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

(ii) Choose the correct answer: Doctors of Unani is also called

- | | |
|-------------|-----------|
| a) Hakim | b) Guru |
| c) Acharyya | d) Vaidya |

(iii) Identify the correct answer: Opium is an ____.

- | | |
|--------------|----------------------|
| a) Analgesic | b) Cardiotonic |
| c) Diuretics | d) Anti-hypertensive |

(iv) Select the correct number of isoprene units that are present in monoterpenes.

- | | |
|------|------|
| a) 2 | b) 3 |
| c) 4 | d) 5 |

(v) Choose the correct answer: Steroids and aglycones can be extracted with ____.

- | | |
|--------------------|--------------------|
| a) Heavy Petroleum | b) Light Kaolin |
| c) Heavy metal | d) Light Petroleum |

(vi) Write the correct answer from the following: Tannins and phenolic matter are soluble in ____.

- | | |
|-------------------|------------------|
| a) Water | b) Diethyl ether |
| c) Dimethyl ether | d) Acetone |

(vii) Write the correct answer from the following: The suggestive dose of dietary fibers for healthy adults is ____.

- | | |
|-------------|--------------|
| a) 30mg/day | b) 20mg/day |
| c) 5mg/day | d) 100mg/day |

(viii) Choose the correct answer: Gallotannic acid is collected from

- | | |
|----------------|--------------|
| a) Tea | b) Nuxvomica |
| c) Ashwagandha | d) Squill |

- (ix) Choose the correct answer: The contents of Wagner's reagent are
- a) Hydrochloric acid & nitric acid b) Iodine and potassium iodide
c) Nitric acid and mercuric chloride d) Mercuric chloride & potassium iodide
- (x) Name the biological source of fennel.
- a) Prunus amygdalus b) Coriandrum sativum
c) Foeniculum vulgare d) Allium sativum
- (xi) Select the correct answer: Synonym of tolu balsam is ____.
- a) Cuoxam b) hog weed
c) bulsum of peru d) None of these
- (xii) Identify the family of garlic from the following.
- a) Santalaceae b) Labiatae
c) Oleaceae d) Liliaceae
- (xiii) Select the crude drug from the following that contains isoflavones and has impact to the estrogen level in women.
- a) Tomatoes b) Soyabean
c) Fish d) Turmeric
- (xiv) Which year of the following is associated with the isolation of reserpine?
- a) 1952 b) 1944
c) 1958 d) 1977
- (xv) Which one of the following is used as a dye in traditional medicine?
- a) Benzoin b) Turmeric
c) Myrrh d) Neem
- (xvi) Who wrote the first pharmacopoeia?
- a) Aristotle b) Pent-T-Sao
c) Charak d) Hippocrates
- (xvii) Select the correct answer from the following: Jesuit bark is also known as.....
- a) Cinchona b) Cinnamon
c) Brahmi d) Arjuna
- (xviii) Which one of the following is a common source of santalene?
- a) Sandalwood b) Jesuit bark
c) Cinnamon d) Lavender
- (xix) Select the answer: In Ayurveda meda stands for
- a) Bone b) Siemens
c) Blood d) Adipose tissue
- (xx) Identify the correct answer: Caffeic acid is a active constituent of ____.
- a) Tea b) Coffee
c) both d) none

Group-B

(Short Answer Type Questions)

3 x 10=30

- Summarize a note on different identification test of resin.
- Write a note on silk along with biological source, active constituents and uses.
- Write a note on the advantages and disadvantages of novel drug delivery of herbal formulation.
- Describe adulteration by pointing out some reasons associated with intentional adulteration.
- Describe any three identification test for volatile oil.
- Describe alkaloid along with stas-otto process of isolation of alkaloids.
- Define bhasma and vatika.
- Describe a note on foxglove tree.
- Describe a short note on the preparation process of chawanprasa.

Illustrate a note on classification of resin based on their functional group.

OR

Differentiate between organized and unorganized crude drug with example.

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Group-C

(Long Answer Type Questions)

5 x 6=30

12. Write a note on the preparation of bhasma. (5)
13. Describe a note on the development of pharmacognosy. (5)
14. Describe a note on agar. (5)
15. Describe a note on spirulina. (5)
16. Distinguish about the general evaluation parameters of drugs collected from natural sources. (5)
17. Illustrate a note on ashwagandha with biological source, active constituents and therapeutic importance. (5)

OR

Explain a note on CNS drug with brief details of coffee seed as a crude drug. (5)
