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**BRAINWARE UNIVERSITY**Library
Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125**Term End Examination 2024-2025****Programme – B.Pharm-2020/B.Pharm-2021/B.Pharm-2022/B.Pharm-2023****Course Name – Pharmacognosy and Phytochemistry I****Course Code - BP405T****(Semester IV)****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) Which one of the following is not included in organoleptic evaluation?

- | | |
|---------------|----------|
| a) Colour | b) Odour |
| c) Solubility | d) Taste |

(ii) Name the main constituent of tragacanth.

- | | |
|---------------|-----------------|
| a) Brucine | b) Reserpine |
| c) Colchicine | d) Tragacanthin |

(iii) Select the correct state of organized crude drugs.

- | | |
|----------------|--------------|
| a) liquid | b) semisolid |
| c) fluorescent | d) solid |

(iv) What is the family of Ananas comosus?

- | | |
|----------------|-----------------|
| a) liliaceae | b) Bromeliaceae |
| c) leguminosae | d) apocynaceae |

(v) What is the meaning of Veda?

- | | |
|--------------|-------------|
| a) Knowledge | b) drug |
| c) plant | d) medicine |

(vi) Jute can be defined as

- | | |
|-----------------------|-----------------------|
| a) Pharmaceutical aid | b) Natural fibers |
| c) Artificial product | d) Regenerated fibers |

(vii) What is biological source of agar?

- | | |
|-----------------------|------------------------|
| a) Ricinus communis | b) Astragalus gummifer |
| c) Casia angustifolia | d) Gelidium amansii |

(viii) Identify which one of the following is a micronutrient.

- | | |
|-------------|------------|
| a) Nitrogen | b) Iodine |
| c) Vitamin | d) Sucrose |

2. What is plant tissue culture and totipotency? (5)
3. Describe a brief note on hemp. (5)
4. Write the identification tests of alkaloids. (5)
5. Memorize the biological source and medicinal uses of any two of the following natural allergens-Arnica, Garlic, Asparagus, Daffodils. (5)
6. Explain micropropagation in plant tissue culture. (5)

7. List the advantages and disadvantages of plant tissue culture.

(5)

OR

Explain the suspension culture.

(5)

8. Summarize a note on the classification of carbohydrates with examples.

(5)

OR

Explain the chemical tests to determine presence of tannins in an unknown extract.

(5)

Group-C

(Long Answer Type Questions)

10 x 2=20

9. Write a brief note on gelatin.

(10)

10. Describe about flavonoids, its classification and chemical tests in details.

(10)

OR

Summarize a note on urokinase along with evaluation techniques of lipids.

(10)