



Library
Pharmaceutical Technology
Brainware University
Barasat, Kolkata-700125

BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – M.Pharm(PC)-2024

Course Name – Chemistry Of Natural Products

Course Code - MPC104T

(Semester I)

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

(Short Answer Type Questions)

5 x 5=25

1. Define rDNA technology and its importance in pharmaceutical industry. (5)
2. Predict the physiological and chemical significance of vitamin B2. (5)
3. Demonstrate about the chemistry and pharmacological use of morphine and codeine. (5)
4. Demonstrate the isoprene rule. (5)
5. Illustrate about the distribution of coumarin and how dicoumarol is naturally prepared? (5)

OR

Demonstrate about the discovery of Artemisin.

(5)

Group-B

(Long Answer Type Questions)

10 x 5=50

6. Classify alkaloids based on chemical classification and nature with example. (10)
7. Describe about the chemical features and biosynthetic process of beta lactum antimicrobial agents. (10)
8. Discuss about the active constituents from crude drug used in anti-tumor therapy and liver dysfunction. (10)
9. Classify flavonoids and general methods of structural elucidation of flavonoids. (10)

OR

Explain in details about cardiac glycosides with structure.

(10)

10. Classify vitamins and explain about their pharmacological significance.

(10)

OR

Explain about chemistry of contraceptive agents male & female sex hormones.

(10)

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