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Pharmaceutical Technology
Brainware University
Banasat, Kolkata-700125

BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Pharm-2020/B.Pharm-2021/B.Pharm-2022/B.Pharm-2023

Course Name – Herbal Drug Technology Theory/Herbal Drug Technology– Theory

Course Code - BP603T

(Semester VI)

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) Identify the full form of PIP.
 - a) Plant incorporated pesticides
 - b) Plant incorporated pollutant
 - c) Plant incorporated protectants
 - d) None
- (ii) The theory of yoga was propounded by _____.
 - a) Charaka
 - b) Susruta
 - c) Ramdev
 - d) Patanjali
- (iii) As per the science of yoga, the restraining of sense organ is expressed as _____.
 - a) Dharna
 - b) Dhyana
 - c) Pratyahar
 - d) Samadhi
- (iv) Identify the correct one, _____ is used in the treatment of kidney disorders.
 - a) Honey
 - b) Amla
 - c) Alfalfa
 - d) ShankhPushpi
- (v) The term IPR with reference to the regulatory requirements of natural products are denoted by _____.
 - a) Indian People Right
 - b) Intellectual property right
 - c) Intellectual People right
 - d) None
- (vi) Which of the following major chemical category of compound is present in Henna?
 - a) Naphthoquinones
 - b) Flavonoids
 - c) Alkaloids
 - d) Anthraquinones
- (vii) Express from where Unani system of medicine was generated.
 - a) India
 - b) Persia
 - c) Greece
 - d) Siam
- (viii) Which of the following is a natural antioxidant?
 - a) Vitamin C
 - b) Vitamin E
 - c) Alpha lipoic acid
 - d) All

- (ix) Identify which can be labeled as biopiracy?
- Unethical exploitation of natural resources
 - Ethical use of natural resources
 - Experimentation
 - Documented use of natural products
- (x) Express, which of the following formulation is herbal granules?
- Churna
 - Pak
 - Bhasma
 - Ghrita
- (xi) Arista can be illustrated as ____.
- Fermented Decoction
 - Fermented infusion
 - Decoction
 - Herbal mineral medicine
- (xii) The common name for Shodhna can be identified as ____.
- Distillation
 - Maceration
 - Filtration
 - Purification
- (xiii) Hypercium interaction can be illustrated by simulation of.
- Cyt P450
 - MAO
 - COMT
 - 5-HT
- (xiv) Garlic is commonly useful for.
- Antibacterial
 - Treatment for Insomnia
 - Weight reduction tool
 - Seasoning
- (xv) Phytosterols are useful in ____.
- Lowers LDL level
 - improves serum lipid profile
 - Inhibit absorption of cholesterol
 - All of these
- (xvi) Which of the following is not a natural pesticide?
- Derris
 - Sabadilla
 - Pyrethrum
 - Dieldrin
- (xvii) Homeopathic system is associated with the principle of.
- Law of Similia
 - Individualizaion
 - Law of Minimum doses
 - All
- (xviii) Caffeine interacting with Panax ginseng may produce ____.
- Increased heart rate
 - Increased BP
 - Decreased BP
 - Both A and B
- (xix) Which steroidal sapogenin was present in fenugreek?
- Trigonelline
 - Gentiamine
 - Genstein
 - Diosgenin
- (xx) Kshut can be illustrated as the pacification of.
- Thirst
 - Hunger
 - Wind
 - Sunlight

- Describe the method of preparation of Aristas. (5)
- Write a note on general aspects, market growth of nutraceuticals. (5)
- Describe the aspects of Yoga and Naturopathy. (5)
- Write a note on manufacture of ASU drugs as per Schedule T. (5)
- What are the advantages of novel drug delivery systems? (5)
- Write the requirements of QC in ASU manufacturing. (5)

OR

- Write a short note on batch manufacturing records. (5)

8. Explain Schedule Z of Drugs & Cosmetics act for ASU drugs. (5)

OR

Illustrate the ICH guidelines for assessment of herbal drugs. (5)

Group-C

(Long Answer Type Questions)

10 x 2=20

9. Illustrate a detailed note on patenting of traditional knowledge and natural products with examples. (10)

10. Explain the WHO guidelines to control contamination of crude drugs. (10)

OR

Emphasize about the case study of turmeric.

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(10)