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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****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) The powder formulation prepared by the process of calcification can also be expressed as__.

- | | |
|-----------|-----------|
| a) Churna | b) Bhasma |
| c) Pak | d) Ghrita |

(ii) Phytosterols are related to.

- | | |
|--------------------------------------|--------------------------------|
| a) Lower LDL levels | b) Improve serum lipid profile |
| c) Inhibit absorption of cholesterol | d) All |

(iii) Choose the correct answer, ashwagandha is useful in treatment of.

- | | |
|----------------------|-----------|
| a) Blood Sugar | b) Cancer |
| c) Stress Management | d) All |

(iv) Crop rotation can be explained by ____.

- | | |
|------------------------|------------------------------|
| a) Reload of soil | b) Provide nutrients to soil |
| c) Disruption of weeds | d) All |

(v) Example of classical ayurvedic formulation include.

- | | |
|-----------|-----------|
| a) Ark | b) Bhasma |
| c) Churna | d) All |

(vi) Arista can be illustrated as ____.

- | | |
|------------------------|----------------------------|
| a) Fermented Decoction | b) Fermented infusion |
| c) Decoction | d) Herbal mineral medicine |

(vii) Alfalfa is demonstrated to be useful in prevention of.

- | | |
|----------------|----------------|
| a) Cancer | b) Indigestion |
| c) Weight loss | d) None |

(viii) Contamination can be interpreted as ____.

- | | |
|---------------|------------|
| a) Residues | b) Extract |
| c) Impurities | d) Marc |

(ix) Garlic is commonly useful for.

- a) Antibacterial
c) Weight reduction tool
- b) Treatment for Insomnia
d) Seasoning
- (x) Which of the following is natural antioxidant?
- a) Vit C
c) Alpha lipoic acid
- b) Vit E
d) All
- (xi) Identify the source of Biopesticides.
- a) Microorganism
c) Animals
- b) Plants
d) All
- (xii) Removing dirt, sand, vegetative debris, foreign organic matter and other parts during primary processing of herbal raw material is known as.
- a) Garbling
c) Blanching
- b) Leaching
d) Sectioning
- (xiii) Which factor are involved in preparation method of crude drug ?
- a) Morphological character
c) Climatic condition
- b) Chemical constituent
d) All
- (xiv) Homeopathic system is associated with the principle of.
- a) Law of Similia
c) Law of Minimum doses
- b) Individualizaion
d) All
- (xv) Shodhana and Marana is associated with the method of preparation of which Ayurvedic formulation?
- a) Avaleha
c) Bhasma
- b) Arishta
d) Gutika
- (xvi) Thiazide diuretics interacting with Gingko biloba may cause.
- a) Increased BP
c) Emesis
- b) Decreased BP
d) None
- (xvii) Powdered formulation in Ayurveda is known as _____.
- a) Churna
c) Asava
- b) Leyham
d) Arista
- (xviii) What is the primary benefit of using herbal materials in pharmaceutical preparations?
- a) They are chemically synthesized
c) They contain bioactive compounds
- b) They are free of any side effects
d) They are more expensive than synthetic drugs
- (xix) What is the the component of Amritakarana in Bhasma preparation process?
- a) Trituration
c) Purification
- b) Mixing
d) None
- (xx) What is the most common method of preserving herbal extracts?
- a) Freezing
c) Refrigeration
- b) Drying
d) Chemical preservatives

Group-B

(Short Answer Type Questions)

5 x 7=35

2. Describe the method of preparation of Aristas. (5)
3. Explain the basic principles of Siddha and Unani. (5)
4. Explain the benefits and role of nutraceuticals in Diabetes. (5)
5. Describe about herbal cream in detail. (5)
6. Write a short note on biopesticides. (5)
7. Explain Schedule Z of Drugs & Cosmetics act for ASU drugs. (5)

OR

- Illustrate the ICH guidelines for assessment of herbal drugs. (5)
8. Explain about infrastructural requirements of herbal drug industry as per Schedule T. (5)

OR

Write the building requirements of ASU manufacturing industries. (5)

Group-C

(Long Answer Type Questions)

10 x 2=20

9. Describe the different preparation process of syrup. (10)
10. Explain the WHO guidelines to control contamination of crude drugs. (10)

OR

Emphasize about the case study of turmeric. (10)