



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Pharm-2020/B.Pharm-2021

Course Name – 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) Which of the following properties define a medicinal plant?
 - a) Aromatic property
 - b) Flavouring agent
 - c) Medicinal Properties
 - d) All
- (ii) Indicate, from which culture, the Siddha system of medicine originated.
 - a) Tamil culture
 - b) Bengali culture
 - c) Punjabi culture
 - d) North east culture
- (iii) The medicinal products where the active ingredient consists mainly of herbal substances is _____.
 - a) Herb
 - b) Drug
 - c) Herbal medicinal products
 - d) Nutraceuticals
- (iv) Under which category of herbal standardization, ash value can be observed .
 - a) Physical
 - b) Chemical
 - c) Analytical
 - d) Biological
- (v) Identification tests for herbal drugs include _____.
 - a) macroscopic characters
 - b) microscopic characters
 - c) chromatographic procedures
 - d) All
- (vi) Who is known as the father of medicine?
 - a) Aristotle
 - b) Dioscorides
 - c) Galen
 - d) Hippocrates
- (vii) Which of the following is not an example of organized drug?
 - a) Leaves
 - b) Gums
 - c) Barks
 - d) Seeds
- (viii) Identify, which crude drug which is sensitive to radiation of direct sunlight?
 - a) Digitalis
 - b) Senna
 - c) Cinchona
 - d) Liquorice
- (ix) Identify the correct one, _____ has effects in digestive conditions.

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- a) Ginger
c) Safed Musali
- b) Ginseng
d) None
- (x) Which of following modules are included in the ICH studies?
a) Quality
c) Stability
- b) Efficacy
d) All
- (xi) Choose the correct answer, the change in the action of drug caused by concomitant administration of food or a herb is defined as
a) Adulteration
c) Supplement Drug
- b) Drug interaction
d) Herbal Medicine
- (xii) Choose the correct answer, _____ is used as hair care product.
a) Pepper
c) Amla
- b) Ephedra
d) None
- (xiii) The WHO developed guidelines for standardization of the herbal drug includes _____.
a) macroscopic characters
c) HPTLC
- b) Ash Value
d) All
- (xiv) Report the reason for fermentation of formulation of Aristas and Asavas.
a) For removal of alcohol
c) For removal of water
- b) For liberation of alcohol
d) For liberation of water
- (xv) Choose the correct answer, Glycerin is used as _____ in herbal products.
a) Toner
c) Sweetener
- b) Moisturizer
d) Cleansing Agent
- (xvi) Ayurvedic literature which find its relation with ancient surgical procedures are _____.
a) Atharvaveda
c) Susruta Samhita
- b) Charaka Samhita
d) All
- (xvii) Phytosterols are related to.
a) Lower LDL levels
c) Inhibit absorption of cholesterol
- b) Improve serum lipid profile
d) All
- (xviii) Example of classical ayurvedic formulation include.
a) Ark
c) Churna
- b) Bhasma
d) All
- (xix) Vati formulation can be generalized as.
a) Resin
c) Herbal powder
- b) Oil
d) Herbal tablets
- (xx) Arista can be illustrated as _____.
a) Fermented Decoction
c) Decoction
- b) Fermented infusion
d) Herbal mineral medicine

Group-B

(Short Answer Type Questions)

5 x 7=35

2. Explain the standardization of Arista. (5)
 3. Describe the method of preparation of Aristas. (5)
 4. Write a note on organic farming. (5)
 5. Explain the benefits and role of nutraceuticals in Diabetes. (5)
 6. What are the advantages of herbal excipients? (5)
 7. Categorize the requirements of raw materials in herbal industries. (5)
- OR**
- Explain Schedule Z of Drugs & Cosmetics act for ASU drugs. (5)
8. Illustrate the ICH guidelines for assessment of herbal drugs. (5)

OR

Illustrate on stability testing of herbal drugs. (5)

Group-C

(Long Answer Type Questions)

10 x 2=20

9. Explain the need for quality control of raw materials and extracts and describe WHO guidelines for quality control of herbal drugs. (10)

10. Evaluate the process of stability testing of herbal drugs and its challenges. (10)

OR

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

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