

**B. PHARM.
SIXTH SEMESTER
HERBAL DRUG TECHNOLOGY
BP603T [REPEAT]
[USE OMR SHEET FOR OBJECTIVE PART]**

**SET
A**

Duration : 3 hrs.

Full Marks : 75

(PART-A: Objective)

Time : 30 min.

Marks : 20

Choose the correct answer from the following:

1×20=20

1. Patent is a form of
 - a. Tangible property
 - b. Institutional property
 - c. Intellectual property
 - d. None
2. There are _____ types of Vedas
 - a. One
 - b. Two
 - c. Three
 - d. Four
3. Which term describes a substance in a nutraceutical that provides health benefits beyond basic nutrition?
 - a. Phytochemical
 - b. Macronutrient
 - c. Micronutrient
 - d. Bioavailability
4. Phytosomes are?
 - a. Colloidal particles
 - b. Microspheres
 - c. Herbal mixture
 - d. Herbal ingredients bonded by phospholipids
5. DTAB stands for
 - a. Drugs Technical Advisory Board
 - b. Drugs Technological Advisory Board
 - c. Both
 - d. None
6. In accordance with ICH guidelines for long-term stability studies under controlled room temperature storage conditions, the testing condition is:
 - a. 30°C and 60% RH for 6 months
 - b. 40 °C and 75% RH for 6 months
 - c. 25 °C and 60% RH for 12 months
 - d. 60 °C and 75% RH for 2 days
7. GMP of Ayurvedic, Siddha and Unani Medicines are specified in _____ of D&C Act.
 - a. Schedule T
 - b. Schedule A
 - c. Schedule M
 - d. None of these
8. Agni relates to
 - a. Movements of the body
 - b. Digestion of the body
 - c. Space within the body
 - d. None
9. Turmeric imparts yellow colour due to the presence of
 - a. Zingiberene
 - b. Curcumenol
 - c. Curcumin
 - d. Eugenol

10. Chemical toxins may present in the herbal drugs due to
 - a. Unfavorable postharvest techniques
 - b. Wrong storage conditions or
 - c. Chemical treatment during the storage period etc.
 - d. All
11. Another name for fenugreek is
 - a. Methi
 - b. Saffron
 - c. Garlic
 - d. None
12. Which part of stevia is used to isolate sweetener
 - a. Root
 - b. Bark
 - c. Leaf
 - d. Seed
13. Herbs are defined as plants with
 - a. Aromatic properties
 - b. Flavouring properties
 - c. Medicinal properties
 - d. All
14. Arista is a
 - a. Fermented decoction
 - b. Fermented infusion
 - c. Decoction
 - d. Herbal mineral medicine
15. Which of the following phytochemicals is primarily responsible for producing the characteristic color in henna?
 - a. Tannins
 - b. Lawsone
 - c. Anthocyanins
 - d. Curcumin
16. Quarantine includes
 - a. Destination of raw materials
 - b. Storage of raw materials
 - c. Storage of finished goods
 - d. Storage of final products
17. Which of the following is natural occurring antioxidant
 - a. Vitamin C
 - b. Vitamin E
 - c. Alpha lipoic acid
 - d. All
18. Identification test includes
 - a. Macroscopic character
 - b. Chemical reaction
 - c. Microscopic character
 - d. All
19. Records of sale and distribution of each batch of Ayurveda, Siddha and Unani Drugs shall be maintained up to ____ of the exhausting of stock
 - a. 2 years
 - b. 5 years
 - c. 10 years
 - d. 15 years
20. What is the purpose of using excipients in herbal drug formulations
 - a. To enhance taste
 - b. To improve stability
 - c. To increase bioavailability
 - d. All of the above

(PART-B :Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

1. Outline the regulatory requirements pertaining to the hygiene standards in factory premises for the manufacturing of Ayurvedic, Siddha, and Unani (ASU) drugs, in accordance with Section 33-EEB of the Drug and Cosmetics Act. 5
2. Write a note on Indian System of Medicines. 5
3. Compose a brief note on interactions between herbs and drugs, as well as between herbs and food. 2.5+2.5
=5
4. Write a note on the conventional methods for herbs selection, identification and authentication. What are the different types of drying? Give examples. 5
5. Write a note on different types of herbal formulations. 5
6. Write a note on herbal excipients. 5
7. Write a note on herbal industry and its future prospects. 5
8. Write a note on the Ayurvedic, Siddha and Unani Drugs Technical Advisory Board (ASU-DTAB) 5
9. Compose a brief explanation regarding Stability studies and the associated testing procedures applicable to herbal medications. 5

PART-C: Long type questions

[Answer any two (2) questions]

1. Write a note on novel dosage forms taking into account 'Phytosomes'. 10
2. What are nutraceuticals? How are they different from pharmaceuticals? Write a note on the health benefits of nutraceuticals in the prevention of various diseases. 2+3+5
=10
3. Write a note on Schedule T- Good manufacturing Practice of Indian System of Medicine. 10

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