

B. PHARM
SIXTH SEMESTER
HERBAL DRUG TECHNOLOGY
BP603T

(USE SEPARATE ANSWER SCRIPTS FOR OBJECTIVE & DESCRIPTIVE)

Duration: 3 hrs.

Full Marks: 75

[PART-A: Objective]

Time: 20 min.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. Herbal medicines include....
 - a. Herbs
 - b. Herbal Materials
 - c. Herbal preparations and Finished Herbal Products
 - d. All of the above
2. Problems associated with Herbal Medicinal Products are....
 - a. Adulteration
 - b. Standardization
 - c. Extensive Control on the labeling of Herbal Preparations
 - d. Both 'A' and 'B'
3. Standardization and Quality Control tests for herbals include...
 - a. Moisture Content
 - b. Microscopic Examination
 - c. Toxicological study
 - d. All of the above
4. *Patentee* is a
 - a. Approver of the Patent
 - b. Claimer of the Patent
 - c. Buyer of the Patent
 - d. None of the above
5. Fresh Medicinal Products should be stored at...
 - a. Room Temperature
 - b. Dark Place
 - c. 1°C - 5°C
 - d. Below -18°C
6. Herbal Drug Preparations are produced by...
 - a. Extraction and Fractionation
 - b. Purification
 - c. Concentration
 - d. All of the above
7. The marketed nutraceutical product is ...
 - a. GRD
 - b. Coral Calcium
 - c. Chyawanprash
 - d. All of the above
8. IPR is the legitimate rights of the inventor for...
 - a. Excluding others from making, copying etc.
 - b. Intellectual Property
 - c. Gaining the deserved incentive for his innovation
 - d. All of the above
9. Following are the functions of secondary metabolites...
 - a. Attraction of animals for pollination
 - b. To protect plants from cattle
 - c. To derive medicines
 - d. All of the above

10. The process of discovery and commercialization of new products based on biological resources....
- | | |
|-------------------|---------------------|
| a. Bioprospecting | b. Biopiracy |
| c. Biodiversity | d. All of the above |
11. In the assessment of Herbal Medicines the objectives of guidelines defines the basic criteria for...
- | | |
|------------|---------------------|
| a. Safety | b. Efficacy |
| c. Quality | d. All of the above |
12. Stability Test is useful in determination of....
- | | |
|--------------------------|------------------------|
| a. Shelf Life | b. Dose of Formulation |
| c. Packaging information | d. Both 'A' and 'C' |
13. Sweeteners used as herbal excipients...
- | | |
|-----------------|---------------------|
| a. Glycyrrhizin | b. Thaumatin |
| c. Monellins | d. All of the above |
14. Organic farming for medicinal plants includes....
- | | |
|-----------------------------------|-------------------------------|
| a. Integrated Pests Management | b. Integrated Weed Management |
| c. Integrated Nutrient Management | d. All of the above |
15. Garlic have therapeutic benefits in....
- | | |
|---------------------|----------------------|
| a. Cardiac diseases | b. Diabetes |
| c. Both 'a' and 'b' | d. None of the above |
16. Types of Ash Values are....
- | | |
|----------------------|-----------------------|
| a. Water Soluble Ash | b. Acid Insoluble Ash |
| c. Both 'a' & 'b' | d. None of the above |
17. Who coined the term 'Allopathy'?
- | | |
|------------------------|-------------------------|
| a. Dr. Charaka Samhita | b. Dr. Samuel Hahnemann |
| c. Aryans | d. Vedas |
18. Toxicological studies determine...
- | | |
|-------------|---------------------|
| a. LD50 | b. OD50 |
| c. % Purity | d. All of the above |
19. Azadirachtin is a....
- | | |
|------------------------|---------------------|
| a. Natural insecticide | b. Biopesticide |
| c. Bioherbicide | d. All of the above |
20. Source of crude drugs are....
- | | |
|---------------------------------------|----------------------------|
| a. Algae, Fungi and Lichens | b. Leaves, Stems and Barks |
| c. Animal Bones, Minerals and Marines | d. All of the above |

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(PART-B : Descriptive)

Time: 1 hr. 40 minutes

Marks: 35

[Answer any seven (7)]

1. What are Nutraceuticals? Write a note on Probiotics. 2.5+2.5=5
2. What are the Health benefits of Honey and Amla? 2+3=5
3. Define Organic Farming. Write the principles of Organic Farming? 2+3=5
4. Explain Biodynamic Agriculture? 5
5. How will you select, identify and authenticate Herbal Drugs? 5
6. Define Herbs, Herbal Medicinal Products and Finished Herbal Products? 1.5+2+1.5=5
7. Explain on the Patent Case study of Neem and Turmeric? 5
8. Write a note on the Traditional Systems of Medicine? 5
9. What is Patent, Copyright, Trademark and Tradeseecret? 5

Time : 1 Hr.

Marks : 20

[Answer any two (2)]

1. Define GMP? Design the blueprint of general requirements of a Manufacturing Plant. 2+8=10
2. Define Phytosomes with its Advantages and Disadvantages? Give the method of Preparation of Phytosomes? 4+6=10

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