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1(Sem-1) BVHPT01

2025

HERBAL PROCESSING TECHNOLOGY

Paper : HPT0100104/HPT0100104-N

*(Introduction to Herbal
Processing Technology)*

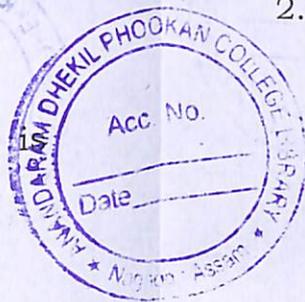
Full Marks : 45

Time : 2 hours

*The figures in the margin indicate
full marks for the questions.*

1. Write the correct answer : 1×5=5
 - (a) Which part of the Aloe vera plant is mainly used for medicinal purposes?
 - A. Root
 - B. Leaf gel
 - C. Flower
 - D. Seed
 - (b) Which medicinal plant is commonly used to treat colds and coughs?
 - A. Neem
 - B. Tulsi (Holy Basil)

- C. Hibiscus
D. Sunflower
- (c) The active compound 'curcumin' obtained from which plant?
- A. Ginger
B. Garlic
C. Turmeric
D. Cinnamon
- (d) Which plant is well known for its antibacterial and anti-inflammatory properties and is often used in toothpaste?
- A. Mint
B. Neem
C. Clove
D. Ashwagandha
- (e) Ashwagandha is mainly used in traditional medicine as a:
- A. Pain killer
B. Appetite suppressant
C. Memory enhancer and stress reliever
D. Antibiotic



2. Write the answers : **(any five)** $2 \times 5 = 10$
- (a) Write the definition of medicinal plant.
(b) Write *two* example of medicinal plants used in cosmetics.
(c) Write *any two* uses of Aloe vera in traditional medicine.
(d) What is the importance of neem in herbal medicine? Mention *two* properties.
(e) Why Tulsi (Holy Basil) is considered an important medicinal plant? Mention *two* benefits.
(f) Define herbal medicine and mention *any two* of its advantages.
(g) Write *two* differences between medicinal plants and synthetic medicines.
(h) Name *any two* medicinal plants used for digestive problems.
(i) What is the role of Ashwagandha in traditional medicine? Write *any two* benefits.
(j) Define ayurvedic medicinal plant.
3. Write short note on : **(any four)** $5 \times 4 = 20$
- (a) Five examples of aromatic plants with its scientific name.



- (b) Types of crude drug.
- (c) Classification of crude drugs.
- (d) History of medicinal and aromatic plants.
- (e) Sources of crude drugs.
- (f) Traditional system of medicine.
- (g) Prospects of twenty first century.
- (h) Identification of crude drugs.

4. Write answers briefly : **(any one)** $10 \times 1 = 10$

- (a) Write about Indian system of medicine.
- (b) Explain the classification of herbs used in Ayurveda based on their therapeutic actions (e.g., analgesic, anti-inflammatory, digestive). Give examples and describe their uses in detail.
- (c) Discuss the importance of Ayurveda as a traditional Indian system of medicine. Explain its basic principles and how herbal plants are used in diagnosis and treatment.
- (d) Elaborate on the cultivation, processing, and conservation of medicinal herbs in India. Discuss the challenges and steps needed for sustainable utilization of herbal resources.