

2025

HERBAL PROCESSING TECHNOLOGY

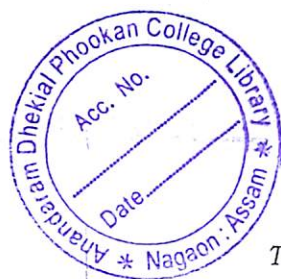
Paper : HPT0200104

(Medicinal Botany)

Full Marks : 45

Time : 2 hours

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



1. Fill in the blanks : 1×5=5

- (a) The study of cell is called ____.
- (b) The full form of ATP is ____.
- (c) ____ discovered the cell.
- (d) The chemical equation of photo-synthesis is ____.
- (e) The full form of APG is ____.

2. Answer any *five* of the following questions :

2×5=10

- (a) Define inter-phase of plant cell division.
- (b) Define cell.
- (c) What is cryptogram?
- (d) Write two examples of non-flowering plants.

(2)

- (e) Define plant morphology.
- (f) Write two functions of roots.
- (g) What is tropism?
- (h) Write two examples of medicinal plants.
- (i) Define photosynthesis.
- (j) Define shrubs.

(3)

- (c) Briefly explain the steps of photosynthesis.
- (d) Write about the importance of respiration of plant.
- (e) Write the medicinal demand of herbal plants in NE India.

3. Write notes on any *four* of the following :

5×4=20

- (a) Differences between flowering and non-flowering plant
- (b) Functions of plant morphology
- (c) Types of root structure
- (d) Flower structure and functions
- (e) Characteristics of trees
- (f) Types of plant respiration
- (g) Cytokinesis
- (h) Functions of leaves



4. Answer any *one* of the following questions in brief :

10

- (a) Briefly explain the types of leaves.
- (b) Explain the types of plant tissues.