

[Time: Three Hours]

[Marks: 100]

N.B:

- All questions are compulsory.
- Figures to the right indicate full marks.
- Draw neat and labelled diagrams wherever necessary.

**Q.1 A) Choose the correct option from the following and rewrite the sentence 10**

- Quinine is used as \_\_\_\_\_ drug.
  - Hypotensive
  - Anti malarial
  - CNS Stimulant
  - Hypertensive.
- Saraca asoca* belongs to family \_\_\_\_\_.
  - Caesalpinaceae
  - Fabaceae
  - Acanthaceae
  - Combretaceae
- \_\_\_\_\_ is a constituent of Beach Forest.
  - Hydrilla*
  - Opuntia*
  - Casuarina*
  - Terminalia*
- \_\_\_\_\_ is used in the treatment of indigestion.
  - Chlorella*
  - kokum
  - vanillin
  - Spirulina*
- Saffron is a common name for \_\_\_\_\_.
  - Crocus sativas*
  - Elettaria cardamom*
  - Aframomum sps.*
  - Syzgium cuminii*
- \_\_\_\_\_ is used as substitute in place of *Bacopa monnieri*
  - Abrus precatorius*
  - Phyllanthus longifolia*
  - Centella asiatica*
  - Polyalthia longifolia*
- \_\_\_\_\_ is the example of surface fibre.
  - Cotton
  - Coir
  - Jute
  - hemp
- Vanillin is obtained from \_\_\_\_\_ of Vanilla plant.
  - Leaves
  - Roots
  - Stem
  - Pods
- \_\_\_\_\_ is also known as Papaya protease.
  - Bromelain
  - Papain
  - Cellulase
  - Ananain
- Brassica oleracea* is commonly known as \_\_\_\_\_.
  - Kale
  - Jojoba
  - Lemon
  - Kokum

**1 B) Answer in one or two sentences 10**

1. Which plant is known as false ashoka?
2. Name ANY TWO active constituents of *Saraca asoca*
3. Define Agroforestry
4. Enlist any 2 uses of *Garcinia indica*.
5. Enlist any 2 health benefits of Bromelain.

**Q. 2 Answer the following questions in brief (any two) 20**

- a) Define and differentiate between primary and secondary metabolites. What is the role of secondary metabolite in plants.
- b) Describe the concept of adulterant/substitute with example of *Glycyrrhiza glabra* & *Abrus precatorius*.
- c) Explain the monograph of *Terminalia arjuna*.
- d) Define Pharmacopoeia. Write a note on significance of Ayurvedic Pharmacopoeia.

**Q. 3 Answer the following questions in brief (any two) 20**

- a) Explain silviculture. State the objective of silviculture.
- b) Give the biological source and processing of jute fiber.
- c) Describe in brief the Moist Tropical forests in India.
- d) Give biological source, morphology and uses of saffron.

**Q. 4 Answer the following questions in brief (any two) 20**

- a) What is Aromatherapy? Discuss in brief its commercial uses and applications.
- b) Give the nutritional value and uses of *Spirulina* and Vanillin.
- c) What is Bromelain? Give the properties and uses of Bromelain.
- d) What are Biofuels? Give an account on types of Biofuels.

**Q. 5 Write short notes on: (any four) 20**

1. Indian Pharmacopoeia of India
2. Regional and Seasonal variation
3. Alpine Forests
4. Organic farming
5. Uses of Jasmine
6. Nutritional value and Uses of Jojoba

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