

[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
