

Note the below:

1. All the questions are compulsory.
2. Draw neat & suitable diagrams wherever necessary.
3. Figures to the right indicate full marks.

Q 1. A. Choose the correct option & rewrite the statements:

(10marks)

1. The term pharmacognosy was introduced by _____.
a. James b. Seydler c. Odum d. Martins
2. The term _____ means Oak or fir tree.
a. Phenol b. Glycoside c. Tanna d. Alkaloids
3. Use of generic medicines is promoted by publishing _____.
a. National Formulary of India b. Indian Formulary c. Formulary of India d. Formulation for generic medicines
4. The Alpine Forest is found in the state of _____.
a. Himachal Pradesh b. Maharashtra c. Gujrat d. Rajasthan
5. Saffron is cultivated in _____ state
a. Kashmir b. Kerala c. Maharashtra d. Bihar
6. _____ is the largest producer of Jute in the world.
a. Bangladesh b. India c. China d. Bhutan
7. Kale belongs to the family _____.
a. Brassicaceae b. Orchidaceae c. Oleaceae d. Rutaceae
8. _____ is the Scientific name of Kokum.
a. *Garcinia indica* b. *Citrus limon* c. *Garcinia cambogia* d. *Garcinia indica*
9. Biogas can be produced from ----- digestion of biodegradable material
a. Aerobic b. anaerobic c. oxidative d. none of these
10. _____ are polysaccharides of natural origin.
a. Tannins b. Resins c. Gums d. Volatile oil

Q 1. B Answer the following in one sentence

(10 Marks)

- a. Secondary metabolites
- b. Sources of Volatile oils
- c. Give the botanical name and family of Cardamom.
- d. Define Agroforestry
- e. Write any two uses of Kokum

Q 2. Answer the following questions (Any 2)**(20 Marks)**

1. Elaborate on the sources and uses of Alkaloids
2. Enlist and explain the sources and uses of Glycosides.
3. Explain adulteration and substitution as evil for the quality of drugs. Also add its types.
4. Explain Indian Pharmacopoeia and Ayurvedic Pharmacopoeia of India.

Q 3. Answer the following questions (Any 2)**(20 Marks)**

1. Explain silviculture. State the objective of silviculture.
2. Explain moist and dry tropical forest in detail.
3. Give the botanical name, biological source of jute. Add an account on processing of jute fibre.
4. Give the botanical name, biological source of Saffron. Add an account on processing of saffron.

Q 4. Answer the following questions (Any 2)**(20 Marks)**

1. Define Aromatherapy. Write down the Botanical name, family, properties and application of Jasmine plants.
2. Explain the details of *Garcinia indica* and *Garcinia cambogia* with health benefits.
3. Explain in details of Bromelain enzyme.
4. Define Biofuel and Explain different generation of Biofuel.

Q 5. Short Notes (Any 4)**(20 Marks)**

1. Indian Herbal Pharmacopeia
2. Properties of Volatile oils
3. Tropical Evergreen Forest
4. Aims of urban forestry
5. Economic importance of Lemon
6. Health benefits and Economic uses of Papain.

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