

Anjuman Islam Janjira Degree College of Science
Murud-Janjira, Raigad-402401
Affiliated to University of Mumbai

Class: -S.Y.B.Sc	Subject: -Botany - III
Semester:- III	Course code: -USBOT303
Exam Event:- Winter 2023 (SH)	Marks: -100
Date: - 25/10/2023	Duration: - 03:00 Hours

- N.B: 1. **All** questions are compulsory.
2. **Figures** to the right indicate full marks.
3. Draw **neat and labeled** diagrams wherever necessary.

Q1. A) Choose the Correct option from the following and rewrite the sentences. 10

- Which among the following are not the major types of Pharmacopoeia?
(a) International pharmacopoeia (b) Regional pharmacopoeia
(c) National pharmacopoeia (d) State Wise pharmacopoeia
- What is the primary purpose of a pharmacopoeia?
(a) To promote the sale of pharmaceutical products
(b) To establish standards for the quality of drugs and medicinal substances
(c) To provide guidelines for clinical diagnosis
(d) To regulate the marketing of herbal remedies
- The common name of *Phyllanthus amarus* is.....
(a) Brahmi (b) Bhuiamla
(c) Shatavri (d) Arjun
- Which among the following are not belongs to secondary metabolites.
(a) Glucose (b) Tannin
(c) Alkaloids (d) Phenolics
- Tropical forest is the following types
(a) Tropical rain forest (b) Tropical deciduous forest
(c) Tropical Thorn Forests (d) All of the above
- Style and Stigma of the flower are the main components of Saffron.
(a) *Crocus sativus* (b) *Elettaria cardamomum*
(c) Tonic supplement (d) All of the above
- Agroforestry is a sustainable land management system that combines the practices of ...
(a) Forestry (b) Agriculture
(c) a and b both (d) None of the above
- Lemon essential oil eases morning sickness used in aromatherapy practice is obtained from..
(a) *Citrus limon* (b) *Jasminun officinale*
(c) *Simmondsia chinensis* (d) None
- Vanillin is obtained from....
(a) *Garcinia indica* (b) *Vanilla planifolia*
(c) *Brassica oleracea* (d) *Spirulina*
- Spirulina* is a blue-green alga, which is a rich source of.....
(a) Fat (b) Protein
(c) Carbohydrate (d) Vitamins

Q1.B) Answer the following in one or two sentences. 10

1. What is adulteration?
2. What is agroforestry?
3. Define organic farming.
4. Define Aromatherapy.
5. Define Enzyme.

Q2. Answer any two of the following. 20

1. Explain Indian pharmacopeia pharmacopoeia?
2. Describe the details history of pharmacopoeia?
3. Write is the secondary metabolites describe their type.
4. Write the type and effects of adulterants of *Saraca asoca* and *Terminalia arjuna*.

Q3. Answer any two of the following. 20

1. Describe the types of forest in India.
2. What is Agro-forestry; explain the components and significance of agro-forestry.
3. Give the economic important of fiber w. r. t. Jute.
4. Explain the characteristics, Part use and health benefits of common *Spices*.

Q.4 Attempt any two of the following. 20

1. What is aromatherapy discussed in brief it's used and application?
2. What is Cellulases? Give the use and properties of Cellulases.
3. Explain the botanicals and nutraceuticals of *Spirulina* and *Vanillin*.
4. What is Biofuels? Explain the type of biofuels generation.

Q.5 Write short notes on any four. 20

1. Monograph.
2. Adulterant.
3. Organic farming.
4. Nutritional value of *Kale*.
5. Use of Jojoba Oil.
6. Papain.