

46 25/10/23

SHRI S.H. KELKAR COLLEGE OF ARTS, COMMERCE & SCIENCE, DEVGAD
SYBSC SEM-III EXAMINATION, OCT 2023
PAPER III - CURRENT TRENDS IN PLANT SCIENCES I (USBO303)

TIME -3HRs

TOTAL MARKS-100

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

Q.1 (A) Fill in the blanks.

(10 Marks)

1. First glycoside to extract is
a) Saponin b) Digitonin c) Amygdaline
2. Semievergreen forests are found inHimalayan ranges.
a) western b) eastern c) both
3. Chlorella is aalgae.
a) Blue green b) green c) brown
4. 85% of the worlds Jute cultivation is concentrated in theDelta.
a) Ganges b) Indus c) Central
5.is a soft, fluffy, twisted, ribbon like staple fibre.
a) Cotton b) Jute c) Saffron
6. Cardamom is considered as theof the spices.
a) King b) Queen c) None
7. Saraca asoca flowers haveactivity.
a) anticancer b) antiulcer c) antiinflammatory
8.is one of the most important fibre crop of India.
a) Jute b) Cardamom c) Clove
9. India introduced forestry programme entitled Social forestry for the 1st time in
a) 1973 b) 1983 c) 1993
10. In Indiais popularly known as spice garden of India.
a) Tamilnadu b) Kerala c) Karnataka

Q 1 (B) Answer in one sentence

(10 marks)

- (a) What is biofuel.
- (b) Define forestry.
- (c) What is social forestry.
- (d) Properties of cotton strobilus.
- (e) What is Ayurvedic pharmacopoeia.

Q. 2 Answer any two from the following:

(20 marks)

- (a) Describe the monograph of *Centella asiatica*.
- (b) Describe the source, properties & use of *Bacopa monnieri* and *Centeila asiatica*
- (c) Describe the source, properties and uses of Gums.
- (d) Describe the source, properties & use of *Srscs asoca* and *Polyalthia longifolia*

Q. 3. Answer any two from the following:

(20 marks)

- (a) Explain sources and morphological characters of Saffron.
- (b) Give in detail commercial cultivation of Cardamom.
- (c) Give in detail of tropical rain forests in India.
- (d) Explain briefly ecological significance of urban forestry.

Q. 4. Answer any two from the following:

(20 marks)

- (a) Describe the source, uses and health benefits of *Garcinia indica*.
- (b) Describe the source, properties, application & uses of Jasmine oil.
- (c) Describe the source, properties, applications and uses of Lemon oil.
- (d) Define aromatherapy. Describe its applications.

Q. 5. Write short notes on: (Any four)

(20 marks)

- (a) Alpine forests
- (b) Biogas
- (c) Uses of Cardamom
- (d) Properties of cotton
- (e) Resins
- (f) Significance of silviculture