

BankimSardar College

B.Sc. Honours SemesterIV Examination

2020

Botany Honours

Paper: Economic Botany (CC9)

Class Attendance: 10 Marks

Time: 2 Hours

Full Marks: 90

Answer of each group should be in separate answer sheet

Group: A

(All questions are compulsory)

1. Answer all questions.

[1 X 10 = 10]

- a.** Which part of coconut produces coir?
 - i. Mesocarp
 - ii. Seed coat
 - iii. Pericarp
 - iv. Epicarp
- b.** Fibre of great commercial importance derived from epidermis is
 - i. Cotton
 - ii. Coir
 - iii. Hemp
 - iv. Flax
- c.** Major cereals are
 - i. Rice
 - ii. Wheat
 - iii. Rice and wheat
 - iv. None of the above
- d.** Rice is the principal cereal of
 - i. Tropics
 - ii. Arctic Zones
 - iii. South pole
 - iv. Temperate region
- e.** A milk like preparation can be made from the seeds of
 - i. Soyabean
 - ii. Wheat

- iii. Gram
- iv. Rice
- f.** The original home of rice is
 - i. South-East Asia
 - ii. Mediterranean
 - iii. South-West Asia
 - iv. China
- g.** Polishing of rice is harmful as
 - i. It coats the grains with harmful chemicals
 - ii. It removes embryo
 - iii. It removes outer protein and vitamin rich nutritive layer
 - iv. Both ii and iii
- h.** Ethiopia is the original home of
 - i. Coffee
 - ii. Maize
 - iii. Rice
 - iv. Wheat
- i.** Jute fibres are obtained from
 - i. Stem
 - ii. Seed
 - iii. Leaves
 - iv. None of the above
- j.** The right time to cut jute plant is
 - i. Matured stage
 - ii. Any time after flowering
 - iii. Flowering stage
 - iv. Before flowering stage

Group B
(Attempt all questions)

[10 X 3 = 30]

2. Discuss the L.S. of wheat grain and microchemical test.

[5+5]

3. Discuss the experiment to test the presence of starch in the given food sample.

[10]

4. Discuss the tests for tannin and fat.

[5+5]

Group C

5. Attempt all questions

[10 X 2 = 20]

- a. Name two medicinal plants.
- b. What is the construction of raw-cotton?
- c. Name two cotton-producing species of *Gossypium*?
- d. What is coconut milk?
- e. What are the botanical names of soyabean and coconut?
- f. What is the structure of wheat grain?
- g. What type of fruit is present in wheat?
- h. What is scientific name of tea? Mention its uses.
- i. What is molasses?
- j. What is crop domestication?

6. Attempt any 6 questions

[6 X 5 = 30]

- a. Discuss the origin of gram.
- b. Give the flow chart for sugar cane processing and byproducts.
- c. Name five important spices, their family and part used.
- d. Discuss the propagation and uses of potato.
- e. Name five drug yielding plants and their uses.
- f. Discuss the uses of mung bean.
- g. Discuss the general account of Sal timber.
- h. Discuss the importance of germplasm diversity.