

B SC FOOD SC & TECHNOLOGY
Third Semester
Tea Plantation & Production Technology
(BFST-304)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from Question no. 2 to 8
Question no. 1 is compulsory.

1. Explain the steps of tea manufacturing. State the conventional method tasting being used for quality evaluation. 6+4=10

2. Write short notes on any five of the following : 2×5=10

- | | |
|---------------------------------------|--------------------|
| a. Tea as a medicinal plant in China. | b. Wild tea plant. |
| c. 'Gol'-Pat . | d. Nursery. |
| d. Orthodox tea. | f. Green tea. |
| g. Auction of Indian tea. | |

3. Give an account of the tea plant as a medicinal plant. Who first reported its refreshing effect on human? Explain how it became popular as hot beverage of refreshment. 4+2+4=10

4. Who first reported about the existence of tea plant in the forest of Assam? Explain the role of 'Moniram Dewan' in the discovery of Assam tea. 6+4=10

5. What is the botanical name of the tea plant and what distinct types are being cultivated in the tea gardens? Explain their origin and salient characteristics. 1+3+6=10

6. Distinguish between clonal and seed stocks populations of the tea population. Discuss on the advantages and disadvantages of the two populations. 5+5=10

7. What do you understand by tea soil? Discuss in details on the conditions and characteristics of the tea soils required for successful cultivation. $3+7=10$

8. What makes tea plants medicinal? Explain tea as a health drink. $4+6=10$

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(PART A - Objective Type)

I. Choose the correct answer:

1×10=10

1.The word tea is derived from –

- a) Ch'a in Cantinese
- b) t'e of Chinese dialect.
- c)None of the above

2.The first exclusive book in tea –

- a) Chinese dictionary
- b) Ch'a Ching
- c)Classical tea

3.The First book on tea was published by -

- a) Kuo P'o
- b) Lu Yu
- c)Li en Chang

4.'Tea drinking' was first extensively used by the -

- a) Singpho people
- b) Japanese people
- c)Chinese people

5.The credit of Assam Tea plant discovery was conferred to-

- a) Robert Bruce
- b) Maniram Dewan
- c)None of them

6.The first location of Assam, where commercial tea plantation performed successfully-

- a) Saikhowa
- b) Chabua
- c)Rangpur

8.The moisture content of harvested tea leaves are reduced to 50% during withering of the manufacturing process. (true/ false)

9.Twelve to eighteen months old tea saplings with about 60 cm height are convenient for plantation. (true/ false)

10.Heavy water with microbial contamination can also be used in factory cleaning purposes, without any hesitation. (true/ false)
