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

B SC FOOD SC & TECHNOLOGY

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Duration: 20 minutes

b) Chabua

Marks - 20

(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 pe	rformed
successfully-	
a) Saikhowa	

c)Rangpur

	7.A tea committee was appointed by the Governor-General of India to expl		
	the possibility of commercial tea cultivation in the year-		
	a) 1784 b)1824 c)1	834	
	8. The first consignment of eight 'Assam tea' boxes were auction	ned in London	
	on-		
	a) 20 February, 1832		
	b) 20 January, 1839 c)10 January, 1839		
	9.In tea manufacturing, the P.P.Oxidase is deactivated by-		
	a) Boiling		
	b) Roasting c) Steaming		
	10. For quality tea manufacturing, standard of the plucked tea shoots should be		
	a) Growing three leaf and a bud		
	b) Banjhi two leaf and a bud c)Growing two leaf	and a bud	
II.	Answer True / False	1×10=10	
	1.Tea is harvested throughout the year in Turkey situated at 41°N	latitude.	
		(true/ false)	
	2. Camellia assamica (Masters) leaves become pinkish-red during autumn.		
		(true/ false)	
	3.Tea plants do not produce any visible growth, if the day length remains below		
	11hr 15 min for at least six weeks.	(true/ false)	
•	4. The tea plant thrives only on a soil which is acidic in reaction.	(true/ false)	
	5. Clonal tea population is heterogeneous genetically.	(true/false)	
	6. Tea taster's organolaptic evaluation gives a sum total assessment of expresse		
	quality characteristic.	(true/false)	
	7.Under N.E. Indian conditions, the orthodox tea manufactured	from China tea	
PAR	plant of higher altitude plantations gives better aroma and flavor.	(true/ false)	
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- 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)
