

B.VOC DEPARTMENT
SMALL TEA GARDEN MANAGEMENT
PAPER WISE COURSE OUTCOME

SEMESTER	PAPER CODE	PAPER NAME	OUTCOME
I	STG-VC-1016	Introduction to tea with reference to STG	This paper unit component of first semester will help the student to know in details about the introduction of Tea in India and also worldwide emergence of tea, especially invention history of tea in Assam, other North East & Eastern States & also the emergence of the Small Tea Grower (STG) in Assam & other parts of India. It will also help the student's to know the "Role of tea in Indian Economy".
	STG-VC-1026	Agro practices of tea plantation	After going through the units of this skill paper, the student will be able to learn different types of planting materials like different clones & biclonal seed varieties, able to choose the planting materials by narrating criteria, establishment of clonal nucleus plot, Procedure of seed collection & packaging. Further, these unit helps in establishment of tea plant nursery, young tea management practices & also get the information on different Developmental schemes under TBI (Five Year Plan) for STG's & commercial garden.
	STG-VC-1036	Soil Nutrient Management	After studying this paper unit of 1 st semester the student will be able to perform different range of soil quality & adoptability in regards to plantation of tea, nutrients contains in wide range of soils like sandy, sandy loam, silt & clay soil. Soil and climate requirement for growing tea in different parts of India & other countries, how application of nutrients in soil absorb by tea plant, etc.
II	STG-VC-2016	Plantation Management	The component units under this paper help the students to know how to pluck leaves from young tea as well as matured tea bushes, able to learn how plucking to be done under various situation, able to determine the plucking standard, caring in green leaves handling, help in understanding the tipping as well as determine the height of tipping for

			different types of prune & skiff tea bushes, further, the students develop the skill of supervising plucking. Again in regards to pruning & skiffing this paper help in skill up the students how pruning operation is carry out, before pruning what are the criteria to be follow, what are the safety measures one should take before pruning /skiffing of a tea bushes, also it helps in identify recommended height of different types of prune/skiff.
	STG-VC-2026	Integrated disease, pest and weed management	After going through this paper component the students will acquire the meaning of IPM (minimum ETL), which ultimately reduced the affect in the ecology, it also help in develop the skill in identification of major pests, diseases and different species of weeds attack on tea bushes along with their control measures by means of using inorganic chemical, organic and biological methods of controls, the students will also able to know about PPA; as well as the TBI recommended chemicals, which have a very low residual effect on made tea & ultimately does not affect in the health of tea consumed peoples of the world.
	STG-VC-2036	Application technique used for IPM	Basically this paper emphasize on various spraying tools along with different size of the nozzles used for pests, diseases and weed controls in tea plants as well as in shade trees, the student will develop the skill how to operate various types of spraying machines and which nozzle use for pests/diseases/weeds control practices. Above this it will also help in develop the skills of different characteristics of better performance factors of the nozzle like temperature, rate of discharge, surface tension and also the effective time of spraying for Better result of IPM practices.
III	STG-VC-3016	Organic tea plantation Management	In this paper the importance is given on tea plantation & processing practices using the organic methods, as the revolution of organic cultivation able to bring high demand in the market. Only natural inputs were apply in organic cultivation instead of inorganic or synthetic chemical. In organic cultivation vermi-compost plays a significant role,

			hence in this paper the student will learn about vermi-compost as well as acquire the skill how the vermi-compost units are made by seeing the unit set up in the college land itself. Again this paper help the students to know the HRM practices followed in a tea estate, role of different employees top to bottom involved in the tea plantation, able to develop organizational chart of a tea estate, also acquire skill of health & safety measures involve in tea plantation.
	STG-VC-3026	Small Tea Garden Management	The objective of this paper is to give more focus on STGs, prospect & problems of STG's use to face. Here the student's able to develop the skill on how SHG/cooperative/company/ federation can be form among the STG's group in an organized and systematic way, which will help in minimizing input cost of STG's and maximize the earnings through common marketing, minimize the leaf wastage, etc. In this chapter the student's develop skill on how an individual can be a entrepreneur or self-employment through STG, also focus will be remain on the policies for STG's develop by TBI as well as State Government.
	STG-VC-3036	Major Thrust area of STG	This units study will help the students in unfolding the major constrain & issues of the STG's were facing or experiencing, so it will be useful for the students to develop the skill of planning & execution the same for the smooth running of the gardens, irrespectiveof doing job in commercial garden or become self-employment as an entrepreneur, the students also able to identify the soil condition, whether it's suitable for tea plantation or need to rejuvenate the soil condition by planting Guatemala grass for 24 to 36 month
IV	STG-VC-4016	Tea Processing in Details	This paper is one of the most important for the students to develop skill in manufacturing process of three different types of made tea- Black Tea (CTC & Orthodox); Green Tea & Olong Tea, this chapter will help in determining the students which types of leaves used for best quality tea making of above mentioned made tea, the students also able

			to know in details the processes involved in making a made tea from the harvested green leaves, role of each & every machineries used in processing like , withering trough, rolling table, CTC machine with the shape of roller, fermenting, dryer, shivers of different size used for different grade, sorting, packaging and how the tea is tested to know the quality of made tea.
	STG-VC-4026	Management of Made Tea	In this paper component emphasis given on how the quality made tea is made up & from which type of leaves, what plucking cycles need to follow to attain different quality of made tea, handling of made tea in order to retain quality, what are the risk involved & how to mitigate the risk in made up of green tea, also how the STG's played an important role in generating income to the educated /uneducated unemployed and unemployable person by deploying in this profession.
	STG-VC-4036	Statutory Compliance in Tea Management	This paper unit's component basically helps in understanding as well as skill up the students in development of plantation acts & the rules applicable in plantation industry. In commercial garden all the statutory compliance under plantation act have to adhere as per the the norms TBI, otherwise TBI may cancel the registration.
V	STG-VE-5016	Estate Management	After going through this paper unit's the students will be able to develop the knowledge & skill on Garden management, which includes how /when extension planting, replanting planting, similarly factory management works & any others administrative functions of the estate is to be done/ maintain to run the estate smoothly and organize manner.
	STG-VE-5026	Tea Board Development and Plantation Scheme on Tea	In this units all the development & plantation schemes (under five year plan) will be elaborately discuss, so that the students after passing out with a various skill's & join in a job or become an entrepreneur, they will be able to materialized the schemes and able to make the required information to get qualify & avail the benefits from the schemes. The samecondition is though applicable for STGs but there are various grants in aid schemes

			for theSTG's, which are also discuss in details in this paper, so that the STG's also able to get the grant from TBI.
	STG-VE-5036	Practical Paper	In this paper, students will get different sections to maintain the garden from planting to harvesting. Each student will know practically overall package and practices followed in the tea garden.
VI	STG-VE-6016	Exercise on Operation followed in Tea Estate	The main objective of this paper is that after going through the unit's exercise, the students will skill up with the nursery estimation of a given area, cost incurred in setting up of vermi- compost unit, cost of irrigation of a given land and also able to well acquaint with different field management implements.
	STG-VE-6026	Skill up with Cultivation Practices	This units is made up to learn the various practices followed in a tea estate fields through internship itself by staying in a commercial garden, where they can explore their expertise knowledge & skill developed from the subjects they studied in the earlier course component of tea garden field management operation, from the land preparation to pruning including, nursery practices, vegetative propagation, different types of planting materials as per TBI recommended, planting, INM, IPM practices, irrigation & drainage, plucking & tipping, the students will do the practices in the college own land, after that move for internship, here also students able to know the report writing & also the contents need in a report writing or practical note submitting.
	STG-VE-6036	Internship	This paper is design to learn the various practices followed in a tea estate factory through internship itself by staying in a commercial garden, where they can explore their expertise knowledge & skill developed from the subjects they studied in the earlier course component of tea manufacturing process, from the tea leaves to made tea, sorting, grading and packaging & marketing operation. Here the students able to understand about a good report writing & also the contents need in a report writing or practical note submitting.

AECC and SEC paper for B.Voc. STGM and TSI

SEMESTER	PAPER CODE	PAPER NAME	PAPER OUTCOME
I	ENG-AE-1014	Communicative English	This paper aimed at developing communication skills required in cooperate sector, and make the students learn how to write application, formal letters, using correct grammars.
II	ENV-AE-2014	Environmental Studies	This paper focus on environmental justice, students develop critical- thinking skills, analyze real-world problems, and understand the power of narrative to create sustainable solutions for local and global communities.
III	INT-SE-3014	Basics of Computer & Office Automation	This paper helps those students who are new to computer or having few knowledge of computer. The main objective is to expert the students in daily office work requirements such as writing letters, generate tables, print document, to get information from internet, e-mail documents etc.
IV	CAP-SE-4014	Computer Hardware	This paper helps students to identify the hardware Components of a computer, peripheral devices outside computer and the software running on a computer.
V	COM-SE-RC-5014	Entrepreneurship	This paper teaches essential life skills such as innovative approach to solve a problem, resolve real world problems, also develops problem solving and identification capability, boosts leadership quality, and prepare the students for an uncertain future.
VI	COM-SEC-RC-6034(A)/ TTM-SE-6014	Retail Management/ Hospitality Management	These papers gives in depth knowledge of the Specific areas of retail and hospitality management.