

Syllabus for B.Voc in Small Tea Garden Management (STGM)

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B.VOC. in Small Tea Garden Management (STGM)

Sl. No	Course Name	Paper Code	Credit	Evolution Pattern Internal- External	Semester
1	Introduction to Tea & Agro practices of Tea plantation	STG010104	4	40-60	I
2	Soil Nutrient Management	STG010204	4	40-60	I
3	Practical-I	STG010304	4	100	I
4	Plantation Management	STG020104	4	40-60	II
5	Integrated Disease, Pest & Weed Management	STG020204	4	40-60	II
6	Practical-II	STG020304	4	100	II
7	Organic Tea Plantation Management	STG030104	4	40-60	III
8	Major Thrust area of STG	STG030204	4	40-60	III
9	Practical-III	STG030304	4	100	III
10	Tea processing in details	STG040104	4	40-60	IV
11	Management of Made Tea	STG040204	4	40-60	IV
12	Statutory Compliance in Tea Management	STG040304	4	40-60	IV
13	Practical-IV	STG040404	4	100	IV
14	Estate Management	STG050104	4	40-60	V
15	Tea Board Development & Plantation Scheme on Tea	STG050204	4	40-60	V
16	Chemical Sprayer Application and Calibration	STG050304	4	40-60	V
17	Practical-V	STG050404	4	100	V
18	Exercise on operations followed in Tea Estate	STG060104	4	40-60	VI
19	Skill up with cultivation practices	STG060204	4	40-60	VI
20	Vermicomposting	STG060304	4	40-60	VI
21	Internship	STG060404	4	100	VI

1st SEMESTER

QP: Introduction to Tea & Agro practices of Tea plantation

Paper: STG010104: Introduction to Tea & Agro practices of Tea plantation (4 Credits)

Overview & key learning as per NOS:

This paper unit component of first semester will help the student to know in details about the introduction of Tea in Indian & Assam, emergence of the Small Tea Grower (STG) in Assam & other parts of India, different types of planting materials like different clones & bicultural seed varieties, planting operation, nursery management & young tea management practices.

Total Marks: 100

UNIT- I

History and Importance of Tea

1 Credit (15 marks)

Origin of Tea, History of Tea cultivation in India & Assam, Taxonomy of Tea, Chemical constituent of Tea plant, Tea in human health, Tea in Indian Economy

UNIT-II

1 Credit (15 marks)

Planting material & Propagation of Tea

Planting Materials approved by Tea Board of India, Nursery management & Mother bush management.

UNIT- III

Establishment of Tea Plantation

1 Credit (15 marks)

Selection of Planting Site, Land Preparation, Plant Spacing and Staking, Planting operation both pre & post- planting operation.

UNIT-IV

Young Tea Management

1 Credit (15 marks)

Lung Pruning, Thumb breaking, De-centering, FFP-1, FFP-2

Internal Assessment

40 marks

Reference:

- Baruah, D.N. (1989). Science and Practice in Tea Culture. Tea Research Association, Calcutta and Jorhat
- Tea Field Management. Tea Research Association, Tocklai Experimental Station, Jorhat.
- www.teaworld.kkhsou.in
- Bhuyan, S. and Rajkhowa, J. (2019). A Handbook on Tea Culture. Published by Kaliabor College, Nagaon, Assam.

1ST SEMESTER

Paper: STG010204: Soil Nutrient Management (4 Credits)

Overview & key learning as per NOS:

After studying this paper the student will be able to learn physical-chemical characteristics of soil, climatic requirement for growing tea, role of soil nutrient and its deficiency symptoms & water management in tea plantation.

Total Marks: 100

UNIT- I

Soil & Importance of soil nutrients for Tea Plantation

1 Credit (15 marks)

Soil structure, texture, Soil P^H for tea plantation, Soil topography & Soil rehabilitation

UNIT-II

Climate requirement for Tea Plantation

1 Credit (15 marks)

Climatic condition includes temperature, rainfall, relative humidity required for suitable tea plantation.

UNIT-III

Soil Nutrients Management in Tea Plantation

1 Credit (15 marks)

Role of soil nutrient in the growth & development of tea, study on nutrients deficiency symptoms & its corrections.

UNIT- IV

Water Management in Tea Plantation

1 Credit (15 marks)

Importance of water in growth & development of Tea Plant, Importance & Management of Irrigation & Drainage systems practices in Tea.

Internal Assessment

40 marks

Reference:

- Baruah, D.N. (1989). Science and Practice in Tea Culture. Tea Research Association, Calcutta and Jorhat
- Tea Field Management. Tea Research Association, Tocklai Experimental Station, Jorhat.
- www.teaworld.kkhsou.in
- Bhuyan, S. and Rajkhowa, J. (2019). A Handbook on Tea Culture. Published by Kaliabor College, Nagaon, Assam.

1ST SEMESTER
Paper: STG010304 (Practical-I)

Overview & key learning as per NOS:

In this paper, students will get to learn practically about vegetative propagation of tea, planting operation, identification and uses of different laboratory equipments & soil sampling technique.

Total Marks: 100

(4 credits)

Practical Works:

1. Vegetative propagation of tea.
2. Planting operation of tea.
3. Introduction to laboratory apparatus and equipments.
4. Identification of different grades of fertilizers and manures.
5. Soil sampling technique.

- Lab work/ Field work
- Written exam
- Viva-voce
- Practical Copy
- Assignment
- Attendance

2nd SEMESTER
QP: Plantation Management
Paper: STG020104: Plantation Management (4 Credits)

Overview & key learning as per NOS:

The component unit 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, help in understanding the tipping as well as determine the height of tipping for different types of prune & skiff tea bushes, drought and stress management and shade tree management in tea plantation.

Total Marks: 100

UNIT- I 1 Credit (15 marks)

Plucking & Tipping

Methods of Plucking & Tipping in Young Tea Plants & Matured tea, types of plucking, plucking round management.

UNIT-II

Pruning of tea

Pruning, objectives of pruning, types of pruning and skiffing, Pruning cycle.

1 Credit (15 marks)

UNIT- III

Drought & stress management in Tea

Drought symptoms & management, Mulching, types of stress their symptoms and management

1 Credit (15 marks)

UNIT-IV

Shade Tree & Maintenance of Shade tree

Advantage of Shade tree, Shade tree species, Spacing of shade tree, planting of shade tree, fertilizer management in tea.

1 Credit (15 marks)

Internal Assessment

40 marks

Reference:

- Baruah, D.N. (1989). Science and Practice in Tea Culture. Tea Research Association, Calcutta and Jorhat
- Tea Field Management. Tea Research Association, Tocklai Experimental Station, Jorhat.
- www.teaworld.kkhsou.in
- Bhuyan, S. and Rajkhowa, J. (2019). A Handbook on Tea Culture. Published by Kaliabor College, Nagaon, Assam.

2nd SEMESTER

Paper: STG020204: Integrated Disease, Pest & Weed Management (4 Credits)

Overview & key learning as per NOS:

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 the TBI recommended chemicals and preparation of botanicals for pest & disease management.

Total Marks: 100

UNIT- I

Pest Management in Tea

1 Credit (15 marks)

Identification, symptoms and control measures by chemical, organic, physical, cultural methods, Integrated Pest control measures

UNIT-II

Disease Management

1 Credit (15 marks)

Identification, symptoms and control measures by various chemical, organic, cultural, physical methods, Integrated disease control measures.

UNIT- III

1 Credit (15 marks)

Preparation of botanicals for pest & disease management

UNIT-IV

Weed management

1 Credit (15 marks)

Identification of weeds and control measures

Internal Assessment

40 marks

Reference:

- Tea Field Management. Tea Research Association, Tocklai Exprimental Station, Jorhat.
- Saikia, G.K. (2019). Handbook of Organic Tea Cultivation. Bithika Saikia, Santiban, Nagaon, Assam.
- Plant Protection Code for Indian Tea Industry Ver. 14(July 2022). Tea Board of India
- Bhuyan, S. and Rajkhowa, J. (2019). A Handbook on Tea Culture. Published by Kaliabor College, Nagaon, Assam.

2nd SEMESTER
Paper: STG020304 (Practical-II)

Overview & key learning as per NOS:

In this paper, students will get to learn practically about vegetative propagation of tea, planting operation, identification and uses of different laboratory equipments & soil sampling technique.

Total Marks: 100

(4 credits)

Practical Works-

1. Study on tipping & plucking operation in demo plot.
2. Study on different pruning and skiffing operation in demo plot.
3. Hazard categorization of pesticides.
4. Spraying instructions and proper maintenance of spraying equipments.
5. Safety measures for spraying squad.
6. Do's and Don'ts in tea pest management.

- Lab work/ Field work
- Written exam
- Viva-voce
- Practical Copy
- Assignment
- Attendance

3rd SEMESTER
QP: Organic Tea Plantation Management
Paper: STG030104: Organic Tea Plantation Management (4 Credits)

Overview & key learning as per NOS:

In this paper students will learn importance of organic tea production, its health benefits & principles of processing organic tea. They will also learn how certification of organic tea is done and various agencies involved in organic tea certification.

Total Marks: 100

UNIT- I

Importance of organic tea production & basic consideration for establishment of an organic tea plantation. 1 Credit (15 marks)

.UNIT-II

Indian national standards of organic agriculture. 1 Credit (15 marks)

UNIT- III

1 Credit (15 marks)

Principles of processing organic tea

UNIT-IV

1 Credit (15 marks)

Certification of organic tea and introduction to organic certification agencies

Internal Assessment

40 marks

Reference:

- Saikia, G.K. (2019). Handbook of Organic Tea Cultivation. Bithika Saikia, Santiban, Nagaon, Assam.

3rd SEMESTER
Paper: STG030204: Major Thrust area of STG (4 Credits)

Overview & key learning as per NOS:

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 can be form , how forming SHG will help in minimizing input cost of STG's and maximize the earnings through common marketing, In this chapter the student's develop skill on how an individual can be a entrepreneur.

Total Marks: 100

UNIT- I

IMPACT ON SOCIAL DEVELOPMENT

1 Credit (15 marks)

Motivation of the unemployed youth towards the adoption of STG, How a successful STG recognized in the society & how his influential helps in development in the society & also the Existing lethargic STG become proactive in the development of STG by generating employment to uneducated/ primary school dropout youths in development of livelihood.

1 Credit (15 marks)

UNIT-II

Role of SHG's or Cooperation in development of STG in Assam

Operation practices SHG. SWOT Analysis, Institutional Framework of SHG or Cooperative society for development of STG, Price sharing formula, quality up gradation programme, setting up of SHG or FPC.

1 Credit (15 marks)

UNIT- III

Problems of STG grower of Assam & non conventional area of North east India

Identification of problems faced by STG & how the non conventional area can be transformed to large STG grower's by common plan of action.

UNIT-IV

Marketing & Management of leaves of STG grower's of Assam & other parts of N.E. India

1 Credit (15 marks)

Marketing of tea leaves & it's importance in terms of economic condition of STG grower's, how the leaves are managed & handle by the STG grower's to minimize the damages and maximize the earning, importance of leaves management.

Internal Assessment

40 marks

Reference:

- Bhuyan, S. and Rajkhowa, J. (2019). A Handbook on Tea Culture. Published by Kaliabor College, Nagaon, Assam.

3rd SEMESTER
Paper: STG030304 (Practical-III)

Overview & key learning as per NOS:

In this paper, students will get to learn practically about various records maintained in tea estates, bought leaves management, fine leaf count and inter- cropping practices followed in tea plantation.

Total Marks: 100

(4 credits)

Practical Works:

1. Record keeping in tea plantation.
2. Management of bought leaves.
3. Tocklai bolometric method of fine leaf count.
4. Inter -cropping practices in tea plantation.

- Lab work/ Field work
- Written exam
- Viva-voce
- Practical Copy
- Assignment
- Attendance

4th SEMESTER

QP: Tea processing in details

Paper: STG040104: Tea processing in details (4 Credits)

Overview & key learning as per NOS:

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, sieves of different size used for different grade, sorting, packaging and how the tea is tested to know the quality of made tea.

Total Marks: 100

UNIT- I

Manufacturing of Tea

1 Credit (15 marks)

Details technique of processing made tea from the harvest of tea leaves. Role of withering trough, rolling machines, fermenting, CTC & orthodox machineries, different Dryer.

UNIT-II

Sorting, Grading, Packaging

Different grade of CTC & orthodox tea, what is Sorting, How the Grading is done, packaging of tea. 1 Credit (15 marks)

UNIT- III

GREEN TEA MANUFACTURING

How green tea is made? steps followed in making green tea till packaging. Why green tea are preferred in terms of beverage for drinking & and as a medicinal value. 1 Credit (15 marks)

UNIT-IV

Tea Quality & Tea Testing

Why Tea Testing is important? How the different types of tea testing done in a factory? What are the criteria of a good Tea Tester? 1 Credit (15 marks)

Internal Assessment

40 marks

Reference:

- Sanyal, S. (2011). Tea Manufacturing Manual. Tea Research Association, Tocklai Experimental Station, Jorhat.

4th SEMESTER

Paper: STG040204: Management of Made Tea (4 Credits)

Overview & key learning as per NOS:

In this paper component emphasis given on how the quality made tea is manufactured, comparison between green tea with other made teas, what are the risk involved & how to mitigate the risk in making of green tea & health benefits of green tea & black tea.

Total Marks: 100

UNIT- I

Management of different quality of made tea

Importance of making quality made tea, what are the factors plays an important role in making different quality made tea like leaves, withering, fermenting, drying, grading, sorting, packaging etc...

1 Credit (15 marks)

UNIT-II

Comparative study of Green tea with other made tea

What are the differences of green tea with other's made tea, study of value, demand, production, export comparison between green tea & other's made tea.

1 Credit (15 marks)

UNIT-III

Risk involved in making a green tea in Assam condition

What are the risks involved in making green tea from production to processing in Assam Condition, how these problems can be solved in an effective manner.

1 Credit (15 marks)

UNIT- IV

Health benefits of Green Tea and Black Tea

Internal Assessment:

40 marks

Reference:

- Sanyal, S. (2011). Tea Manufacturing Manual. Tea Research Association, Tocklai Experimental Station, Jorhat.
- Chandrima Das, Arnab Banerjee, Moumita Saha, Sirshendu Chatterjee. A Review of the Health Benefits of Tea: Implications of the Biochemical Properties of the bioactive constituents. Current Research in Nutrition and Food Science Journal 2022; 10 (2): 458

4th SEMESTER

Paper: STG040304 Statutory Compliance in Tea Management (4 Credits)

Overview & key learning as per NOS:

This paper unit's component basically helps in understanding various statutory compliance such as plantation labour act, factory act, wages act, bonus act, PF act & maternity benefits act.

Total Marks: 100

UNIT- I

The Plantation Labour Act, 1951

1 Credit (15 marks)

Definition & Objective, Scope & provisions in regards working hours, Leave with wages, Procedure for Penalties, employer obligation.

UNIT-II

The Factory Act, 1948

1 Credit (15 marks)

Definition & Objective, Registration Procedure & criteria for obtaining Factory License, Renewal of License, and Safety measure to be taken for Factory workers.

UNIT- III

The Payment of wages Act, 1936

1 Credit (15 marks)

Definition & Objective, Fixation of wages

The Payment of Bonus Act, 1936

Definition & Objective, who are eligible for bonus payment, on what basis bonus is paid, whom & why the bonus is given as a minimum bonus & deduction of bonus payment. How the bonus paid either one phase or two phases.

UNIT-IV

The Employee PF Act, 1952

1 Credit (15 marks)

Definition & Objective, who are eligible for PF payment,

Maternity Benefits Act, 1961

Definition, Objective & eligibility.

Internal Assessment

40 marks

Reference:

- <https://labour.gov.in>
- <https://teatribes.assam.gov.in>

4th SEMESTER
Paper: STG040404 (Practical-IV)

Overview & key learning as per NOS:

In this paper, students will get to learn practically about different grades of made tea, identification and functions of machineries used in manufacturing of CTC tea and they will also learn techniques of manufacturing handmade green tea and orthodox tea.

Total Marks: 100

(4 credits)

Practical Works-

1. Identification of different grades of made tea.
 2. Manufacturing of handmade green tea.
 3. Manufacturing of handmade orthodox tea.
 4. Identification and functions of different machineries used in manufacturing of CTC tea.
- Lab work/ Field work
 - Written exam
 - Viva-voce
 - Practical Copy
 - Assignment
 - Attendance

5th SEMESTER
QP: Estate Management
Paper: STG050104: Estate Management (4 credits)

Overview & key learning as per NOS:

After going through this paper unit's the students will be able to develop the knowledge & skill on Garden management, factory management works & other administrative functions of the estate to be done/ maintain to run the estate smoothly and in organized manner.

Total Marks: 100

UNIT- I

Human Resource Management in Tea

Organizational behaviours, Organizational Chart, Role of Estate Manager, Role of Grade / Factory Assistant Manager, Role of Different Clerk (activity wise).

1 Credit (15 marks)

UNIT-II

Factory Management

Repairing & maintenance of the factory equipments, extension of factory buildings & exchanged of old parts with new parts & up gradation of machineries

1 Credit (15 marks)

UNIT-III

Store Management

What are the function of store in tea plantation & its management for the smoothrunning of tea estate?

1 Credit (15 marks)

UNIT- IV

Tea work force management

Facilities provided to the tea workers, benefits availed by the permanent worker of theestate, what are the other welfare related establishments seen in a garden.

1 Credit (15 marks)

Internal Assessment:

40 marks

Reference:

- Sanyal, S. (2011). Tea Manufacturing Manual. Tea Research Association, Tocklai Exprimental Station, Jorhat.
- Tea Field Management. Tea Research Association, Tocklai Exprimental Station, Jorhat.

5th SEMESTER

Paper: STG050204: Tea Board Development & Plantation Scheme on Tea (4 Credits)

Overview & key learning as per NOS:

In this units all the development & plantation schemes 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 same condition is though applicable for STGs but there are various grants in aid schemes for the STG's, which are also discuss in details in this paper, so that the STG's also able to get the grant from TBI.

Total Marks: 100

UNIT- I

Details on Plantation Development Scheme

Study on the sub component of plantation development scheme in details, what are the eligibility criteria & what is rate of subsidy on different component & how the disbursement is done? 1 Credit (15 marks)

UNIT-II

Details on Quality Up gradation & Product diversification including orthodox production

Study on the sub component on the above scheme in details, what are the eligibility criteria & what is rate of subsidy on different component & how the disbursement is done? 1Credit (15 marks)

UNIT- III

Details on Human Resource Management Scheme

Details Study on the sub component on the HRM schemes, what are the eligibility criteria & what is rate of subsidy on different component & how the disbursement is done? 1 Credit (15 marks)

UNIT-IV

Details study on Market Promotion & Research and Development Schemes

Details Study on the sub component on the above schemes, what are the eligibility criteria & what is rate of subsidy on different component & how the disbursement is done? 1 Credit (15 marks)

Internal Assessment

40 marks

Reference:

- Modalities and Scheme Guidelines-Tea Board of India

5th SEMESTER

Paper: STG050304: Chemical Sprayer Application and Calibration (4 Credits)

Overview & key learning as per NOS:

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.

Total Marks: 100

UNIT- I

Sprayer & it's Application Technique

What is Sprayer, various types of sprayer used for various purposes, like control of Pest, Diseases & Weed in tea plantation.

1 Credit (15 marks)

UNIT-II

Calibration & operation, Spraying Technique

How the calibration & operation practices followed in tea plantation, different Techniques of application of spraying machine for effective control of Pest, Diseases & Weed in tea plantation.

1 Credit (15 marks)

UNIT-III

Nozzle & Types of Nozzle

What is nozzle, its importance in spraying different pesticides, Types of nozzle used in different types of spraying for effective results.

1 Credit (15 marks)

UNIT- IV

Nozzle performance Factors

Factors to be considered for nozzle performances, like temperature, viscosity, surfacetension, nozzle wear.

1 Credit (15 marks)

Internal Assessment

40 marks

Reference:

- Tea Field Management. Tea Research Association, Tocklai Experimental Station, Jorhat.
- Plant Protection Code for Indian Tea Industry Ver. 14(July 2022). Tea Board of India
- <http://www.weedfree.co.uk/2008/12/how-to-calibrate-a-knapsack-sprayer.html>

5th SEMESTER

Paper: STG050404 (Practical-V)

Overview & key learning as per NOS:

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.

Total marks: 100

(4 Credits)

Practical Work:

1. Field work in the college demo plot

2. Nursery Management.

3. Garden Management.

4. Marketing of tea.

- Lab work/ Field work
- Written exam
- Viva-voce
- Practical Copy
- Assignment
- Attendance

6th SEMESTER

QP: Exercise on operations followed in Tea Estate

Paper: STG060104: Exercise on operations followed in Tea Estate (4 Credits)

Overview & key learning as per NOS:

The main objective of this paper is that after going through the unit's exercise, the students will skill up with the formalities of opening tea nursery, importance of irrigation in tea, various implements used in tea management & exercise on vermicompost unit cost estimation.

Total Marks: 100

UNIT- I

Formalities for opening tea nursery

1 Credit (15 marks)

Components of Nursery, legal aspect of opening nursery, advertising and marketing of nursery

UNIT-II

Importance of irrigation in tea

1 Credit (15 marks)

Machinery required, method of irrigation, types of irrigation system, components of irrigation system, basic problems related to irrigation.

UNIT- III

Various Implements use in Tea Management

1 Credit (15 marks)

Name of the implements and their function use in Garden, Factory & packaging activity

UNIT-IV

Exercise on Vermi-compost unit cost of different size

1 Credit (15 marks)

What are the components required for Vermi-compost unit Preparation, How many man days required & how many days required for starting commercial operation by selling the Vermi-compost.

Internal Assessment

40 marks

Reference:

- Tea Field Management. Tea Research Association, Tocklai Experimental Station, Jorhat.
- Saikia, G.K. (2019). Handbook of Organic Tea Cultivation. Bithika Saikia, Santiban, Nagaon, Assam.
- www.teaworld.kkhsou.in

6th SEMESTER

Paper: STG060204: Skill up with cultivation practices (4 credits)

Overview & key learning as per NOS:

In this unit the students will be able to revise their earlier courses like nursery management, young & mature tea management, drainage management before going to internship programme.

Total Marks: 100

UNIT- I

Management of Nursery

Details package & practices of nursery to be study theoretically & practically 1 Credit (15 marks)

UNIT-II

Management of Young tea

Details package & practices of nursery to be study theoretically & practically along with all practices. 1 Credit (15 marks)

UNIT- III

Management of Matured tea

Details package & practices of nursery to be study theoretically & practically along with all practices. 1 Credit (15 marks)

UNIT-IV

Management of Drainage

Drainage management practice & its importance. 1 Credit (15 marks)

Internal Assessment:

40 marks

Reference:

- Baruah, D.N. (1989). Science and Practice in Tea Culture. Tea Research Association, Calcutta and Jorhat
- Tea Field Management. Tea Research Association, Tocklai Experimental Station, Jorhat.
- Saikia, G.K. (2019). Handbook of Organic Tea Cultivation. Bithika Saikia, Santiban, Nagaon, Assam.
- www.teaworld.kkhsou.in
- Bhuyan, S. and Rajkhowa, J. (2019). A Handbook on Tea Culture. Published by Kaliabor College, Nagaon, Assam.

6th SEMESTER

Paper: STG060304: Vermicomposting (4 credits)

Overview & key learning as per NOS:

In this unit the students will be able to learn how to convert organic waste into vermicompost and can start their entrepreneurial journey.

Total Marks: 100

UNIT- I Introduction	1 Credit (15 marks)
.UNIT-II Steps of vermicomposting	1 Credit (15 marks)
UNIT- III Construction of different vermicomposting units	1 Credit (15 marks)
UNIT-IV Collection, sieving, packaging, sales, licensing & storage of vermicompost.	1 Credit (15 marks)
Internal Assessment	40 marks

Reference:

- Saikia, G.K. (2019). Handbook of Organic Tea Cultivation. Bithika Saikia, Santiban, Nagaon, Assam.
- A Guide to Vermicompost-Production Process and Socio Economic Aspects. ICAR Research Complex for NEH Region.

6th SEMESTER

Paper: STG060404: Internship

Overview & key learning as per NOS:

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.

Total marks: 100

(4 Credits)

- a) 4 months internship programme will be carry out by the student staying in different garden.
- b) Presentation of internship programme.
- c) Final Submission of the report.