

SYLLABUS

for

Value-added Course

Green Audit & Green Practices

(BOTVAC 002)

(w.e.f. 2022-2023)



Offered by:

Department of Botany

Panskura Banamali College

(AUTONOMOUS)



Panskura R.S., Purba Medinipur
West Bengal – 721152

COURSE INFORMATION IN BRIEF

Course Name:	<i>Green Audit & Green Practices</i>
Course Contents:	Audit process and component for certification
Course Type:	Value-added Course (Optional, additional, and not a part of the CBCS curriculum)
Medium:	Bengali, English
Mode:	Offline
Intake:	Minimum 15; Maximum 40
Eligibility:	+XII, Any interested candidate but priority to inhouse students
Duration:	30 hours (to complete within a time span of 2 months)
Course Fees:	Rs. 300
Coordinator:	Dr. M. Debnath Department of Botany
Co-Instructor:	Dr. S. S. Manna , Department of Botany Panskura Banamali College (Autonomous) mdebnath.pbc@gmail.com 8697418775 (Whats App only)

Structure & Contents

Course: *Green Audit & Green Practices*

●Objective: Sustainable development management, Skill development for start-up activities as Green Auditor and Environment conservator

●Outcome: To become a skilled person for environmental monitoring & assessment as well as Green/Environment Auditor for self employability

Course Instructor: M. Debnath & S.S. Manna

Theory (12 hrs)

Unit 1. Environmental Pollution and its management practices: (5)

Climate, Weather and Air Pollution, Classification of water and water bodies, Water Quality Parameters, Water Pollution, Sources — Classification, nature and Toxicology of water pollutants. Solid waste management; Energy sources, alternate energy (Solar Energy), Management on Biodegradable Waste as resource (Biogas and Biofertilizer production). Green building concept.

Unit 2.Environmental Law & Policy: (5)

Highlights of the Acts, Institutional arrangements for: (1) The Water (Prevention & Control of Pollution) Act, 1974 amended in 1988; (2) The Air (Prevention and Control of Pollution) Act, 1981 amended in 1987; (3) The Water (Prevention and Control of Pollution) Cess Act, 1977 amended in 1991; (4) The Environment (Protection) Act, 1986; (5) The Public Liability Insurance Act, 1991; — Indian Policy Statement for abatement of Pollution, 1992.

Unit 3:Environmental Audit - Scope & Requisites: (5)

Green Audit: Definition; Objectives; Scope, Coverage - GOI Notification on Environmental Audit - Benefits to Industry. Reporting Environmental Audit Findings -Importance of Environmental Audit Report to industry, public and the governments.

Practical content (15 hr)

1. Computational skill development on data entry, data analysis and representation, using MS word, XL, PPT and Adobe page maker. Preparation of Data Collection Sheet using Microsoft XL
2. Field/ Ecosystem visit for data capture related to Air, Water, Soil, Energy, Solid Waste, Water management, Sanitation from various establishments / localities/ industries
3. Documentation of data, Data representation and interpretation to certify the level of Green practices
4. Audit Report writing and representation: Submission of project/ report with recommendations and suggestions for further setup towards sustainable development goals achievements to the audited organization. Visit to Environment protection agencies/Firm working on Green development (If possible)
5. Soil, Water analysis, Production of Biogas and liquid fertilizer from biodegradable waste

Suggested reading:

- a. Environmental Legislation in India by K.R. Gupta, b.<https://parivesh.nic.in/c>.
<https://www.cpcb.nic.in/https://www.free-ebooks.net/envirorunmental-studies-academic>