

Rabindra Bharati University

Department of Environmental Studies

Kolkata 50

Syllabus for MA in Environmental Studies

Session 2017-18 onwards

The Department of Environmental Studies, RabindraBharatiUniversity, in view of the changing needs of time and situation has decided to modify and update the Examination Structure and Syllabus at Post-Graduate level. The required modification aims to satisfy the needs of the students intending to appear NET Examination and also those preparing jobs in both academic and corporate fields in a competitive world. The salient features of the proposed changes are as follows:

- Incorporation of Semester system of Studies
- There shall be four semesters of 25credits each, totaling to 100credits
- In all there shall be 16 core coursesincluding one special course of dissertation work and one practical course,4 compulsory elective courseand two open elective course
- The structure of the course will be as follows

First Semester: 5 Core Units of total 25 credits.

Second Semester: 5 Core Units of total 25 credits.

Third Semester: 3 Core Units and 2 compulsory electives of total 25 credits.

Fourth Semester: 1Core Unit,2 compulsory electives and 2 open electives of total 25 credits

For each unit in each semester, 40 marks arefor examinations and 10 marks are for internal assessment.

The syllabus of the core papers, compulsory elective papers and open elective papers are in lines with the UGC model curriculum with minor changes to suit present circumstances and keeping in mind that Environmental Studies is a multidisciplinary subject and students join in this course have different honours subjects.

The schedule of the semesters can be as follows:

Semester	Duration	Effective numbers of weeks	Total Credit Hour per weeks
I	July - December	16 weeks	25
II	January - June	15 weeks	25
III	July - December	16 weeks	25
IV	January - June	15 weeks	25



Syllabus for MA in Environmental Studies (CBCS)

M.A. 1st Semester

COURSE CODE	CREDIT HOURS	COURSE TYPE	COURSE CONTENTS	MARKS (IA+WR)	FULL MARKS	DURATION OF EXAM IN HRS.
RAB/PG/ENVS/CC 1.1/ENVH	6	THEO.	SOCIETY, DEVELOPMENT AND ECOLOGY	10+40	50	2
RAB/PG/ENVS/CC 1.2/ENVH	6	THEO.	ENVIRONMENTAL POLLUTIONS - I	10+40	50	2
RAB/PG/ENVS/CC 1.3/ENVH	5	THEO.	NATURAL RESOURCES AND ENVIRONMENT	10+40	50	2
RAB/PG/ENVS/CC 1.4/ENVH	4	THEO.	ENVIRONMENTAL POLITICS	10+40	50	2
RAB/PG/ENVS/CC 1.5/ENVH	4	THEO.	ENVIRONMENTAL POLICIES, LAWS AND REGULATIONS	10+40	50	2

M.A. 2nd Semester

COURSE CODE	CREDIT HOURS	COURSE TYPE	COURSE CONTENTS	MARKS (IA+WR)	FULL MARKS	DURATION OF EXAM IN HRS.
RAB/PG/ENVS/CC2.1/ENVH	5	THEO.	WETLAND, MARINE, HILL ECOLOGY AND ENVIRONMENTAL FORESTRY	10+40	50	2
RAB/PG/ENVS/CC2.2/ENVH	6	THEO.	ENVIRONMENTAL POLLUTION- II	10+40	50	2
RAB/PG/ENVS/CC2.3/ENVH	5	THEO.	ENVIRONMENTAL GEOLOGY AND REMOTE SENSING	10+40	50	2
RAB/PG/ENVS/CC2.4/ENVH	5	PRACT.	PRACTICAL IN ENVIRONMENTAL STUDIES	10+40	50	2
RAB/PG/ENVS/CC2.5/ENVH	4	THEO.	ENVIRONMENTAL ECONOMICS AND STATISTICS	10+40	50	2

M.A. 3rd Semester

COURSE CODE	CREDIT HOURS	COURSE TYPE	COURSE CONTENTS	MARKS (IA+WR)	FULL MARKS		DURATION OF EXAM IN HRS.
RAB/PG/ENVS/CC 3.1/ENVH	5	THEO.	SUSTAINABLE DEVELOPMENT	10+40	50		2
RAB/PG/ENVS/CC 3.2/ENVH	5	THEO.	HYDROLOGY AND WATER RESOURCES	10+40	50		2
RAB/PG/ENVS/CC 3.3/ENVH	5	THEO.	ATMOSPHERE AND GLOBAL CLIMATE SCENARIO	10+40	50		2
RAB/PG/ENVS/CEC 3.1/EVME	5	THEO.	ENVIRONMENTAL MANAGEMENT - I	10+40	50	OPTIONAL (CANDIDATE WILL CHOOSE EITHER EVME OR MEVE)	2
RAB/PG/ENVS/CEC 3.2/EVME	5	THEO.	ENVIRONMENTAL MANAGEMENT - II	10+40	50		2
RAB/PG/ENVS/CEC 3.1/MEVE	5	THEO.	MAN & ENVIRONMENT - I	10+40	50		2
RAB/PG/ENVS/CEC 3.2/MEVE	5	THEO.	MAN & ENVIRONMENT - II	10+40	50		2

M.A. 4th Semester

COURSE CODE	CREDIT HOURS	COURSE TYPE	COURSE CONTENTS	MARKS (IA+WR)	FULL MARKS		DURATION OF EXAM IN HRS.
RAB/PG/ENVS/CC 4.1/ENVH	7	PROJ.	PROJECT (DISSERTATION)	10+40	50		2
RAB/PG/ENVS/CEC 4.1/EVME	4	THEO.	ENVIRONMENTAL MANAGEMENT - III	10+40	50	OPTIONAL (CANDIDATE WILL CHOOSE EITHER EVME OR MEVE)	2
RAB/PG/ENVS/CEC 4.2/EVME	4	THEO.	ENVIRONMENTAL MANAGEMENT - IV	10+40	50		2
RAB/PG/ENVS/CEC 4.1/MEVE	4	THEO.	MAN AND ENVIRONMENT - III	10+40	50		2
RAB/PG/ENVS/CEC 4.2/MEVE	4	THEO.	MAN AND ENVIRONMENT - IV	10+40	50		2
RAB/PG/ENVS/OEC 4.1/DMGO	5	THEO.	DISASTER MANAGEMENT - I	10+40	50	OPTIONAL (CANDIDATE WILL CHOOSE EITHER DMGO OR MEVO)	2
RAB/PG/ENVS/OEC 4.2/DMGO	5	THEO.	DISASTER MANAGEMENT - II	10+40	50		2
RAB/PG/ENVS/OEC 4.1/MEVO	5	THEO.	MUSEUM AND ENVIRONMENT - I	10+40	50		2
RAB/PG/ENVS/OEC 4.2/MEVO	5	THEO.	MUSEUM AND ENVIRONMENT - II	10+40	50		2

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. First Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC1.1/ENVH

Society, Development and Ecology

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to explore the opinions of Rabindranath Tagore and some other thinkers of the country regarding the ecosystem and its degradation; and to understand what is ecosystem and how it has been degraded with the development of the society.

- Views of Rabindranath Tagore and other Indian thinkers on environment
- Development and displacement
- Concept of ecology and ecosystem
- Concept of population and community ecology
- Environmental communication

Teaching Method

- The teachers may involve the students in discussions on the contribution of the Indian thinkers on ecosystem degradation.
- The students may be encouraged to identify the ecosystems in their surroundings and to study the populations, communities and the interrelations among the populations in the given ecosystems.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. First Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC 1.2/ENVH

ENVIRONMENTAL POLLUTIONS - I

Credit hours: 6 X 16 = 96

Course Objective:

The objective of the course is to identify the causes, incidences and impacts of air, ground and surface water (including waste water) pollution and to outline the pollution mitigation strategies.

- Air pollution
- Ground water issues
- Water pollution
- Chemistry of water
- Sewage and waste water treatment

Teaching Method

- The teachers may motivate the students to note down all the pollutions in surroundings and elaborate their observations during the classes.
- The teachers may involve the students in a seminar or lecture on pollutions
- The teachers may circulate the updated global information in this regard.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. First Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC1.3/ENVH

Natural Resources and Environment

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to recognize the national status of all the natural resources such as water, minerals, lands, food and energy and to realize the urgency of breaking off the over exploitation of the same.

- Natural resources and associated problems
- Water resources and national status
- Mineral and land resources: National status, land use planning
- Food resources and national status
- Energy resources and national status

Teaching Method

- The teachers may involve the students in group discussions on the topics of resource exploitation
- The students may be encouraged to create assignments on the given topics.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M. A. First Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC 1.4/ENVH

Environmental Politics

Credit hours: 4 X 16 = 64

Course Objective:

The objective of the course is to understand the global and national level environmental politics and to explore the relation of the civil society with that of the environmental politics.

- Environment, culture and politics
- North vs South – international co-operation and conflict
- Biosphere Conferences
- Civil society and marginal voices
- Environmental politics in India

Teaching Method

- The teachers may help the students to enhance their knowledge by supplying the most recent updates in global as well as Indian environmental politics.
- The teachers may involve the students in a seminar or lecture on environmental politics

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M. A. First Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC 1.5/ENVH

Environmental Policies, Laws and Regulations

Credit hours: 4 X 16 = 64

Course Objective:

The objective of the course is to explore the legal framework in India for environmental protection.

- Environmental ethics and major environmental laws
- Environmental Treaties, Laws and Policies
- Environmental Protection Act
- Environmental monitoring and role of West Bengal Pollution Control Board
- Human rights and environment

Teaching Method

- The teachers may organize special sessions on the case laws on environmental issues.
- The teachers may involve the students in group discussions on human rights and environment

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Second Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC2.1/ENVH

Wetland, marine, hill ecology and environmental forestry

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to interpret the importance of wetlands, marine, forest ecosystems and social forests; and to demonstrate the effects of urbanization on environment.

- Urbanization and urban environment in India
- Wetland and Coral Reef ecology
- Marine ecology
- Forest ecology
- Social forestry
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Teaching Method

- The teachers may guide the students to compare the natural ecosystems with the man-made ones.
- The students may get involved in the discussions on the footprints of the urban lifestyles on ecosystem.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Second Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC2.2/ENVH

Environmental Pollution II

Credit hours: 6 X 15 = 90

Course Objective:

The objective of the course is to list the pollutions such as marine, river, radioactive, thermal, odour, vision, noise, industrial, land and soil and to determine their sources, causes and possible mitigation strategies.

- Marine and river pollution
- Radioactive, thermal, odor, vision and noise pollution
- Industrial waste and treatment processes
- Pollution due to population explosion and habitat degradation
- Soil pollution

Teaching Method

- The teachers may organize a seminar to make the students more familiar with the topics under the course.
- The teachers may take the students to a nearby treatment plant for a real time observation.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Second Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC2.3/ENVH

Environmental Geology and remote sensing

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to explain the evolution of today's environment and to explore the layered structures under the land (crust to core) and over the land (atmosphere) along with the study of the physiographic features using GIS.

- History of the Earth
- Glaciers
- Petrology and Pedology
- Climatology
- Remote sensing and GIS

Teaching Method

- The teachers may demonstrate the physiographic maps and GIS tools.
- The teachers may exhibit a few rocks and minerals and their physical and chemical features to enhance the rock identification skill of the students.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Second Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC2.4/ENVH

Practical in Environmental Studies

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the practical course is to analyze, compute, compare and interpret the amounts of pollutants present in air, water and soil.

- Analytical methods in Environmental Quality Assessment
- Microbiological analysis
- Analysis of soil quality
- Analysis of water quality
- Analysis of air quality

Teaching Method

- The teachers may guide the students to prepare the required chemicals for performing the experiments.
- The teachers may explain the working principles of each instrument for a clear understanding.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Second Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC2.5/ENVH

Environmental Economics and Statistics

Credit hours: 4 X 15 = 60

Course Objective:

The objective of the course is to compute and interpret the statistical data using different graphs and tables and to review the connection between ecosystem and economy.

- Relationship between environment and economy
- Environmental economics
- Basic issues of environmental valuation and impact of
- economic policies on environment
- Cost benefit analysis
- Descriptive statistics

Teaching Method

- The teachers may involve the students in a group discussion on environment and economy.
- The teachers may demonstrate any of the computerized statistical tools during the sessions.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC3.1/ENVH

Sustainable Development

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to clarify the concept of sustainable development and to prioritize sustainability in different aspects such as in land management, wildlife conservation and tourism.

- Theories, concepts and models of sustainable development
- Agenda 21: Reference guide for sustainable development
- Sustainable land management and wasteland reclamation
- Sustainable use of biodiversity and wild life and its conservation
- Sustainable tourism development

Teaching Method

- The teachers may share the updated information regarding the sustainable development goals and the examples of sustainable lifestyles practiced in different corners of the nation.
- The teachers may encourage the students to organize seminars to share the idea of sustainability.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC3.2/ENVH

Hydrology and Water resources

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to define the effective ways of water resource and wetland management.

- Sustainable water management and conservation
- Watershed and floodplain management
- Wetland and riparian management
- Sustainable agriculture and forest conservation for water resource management
- Coastal and hill ecology management

Teaching Method

- The teachers may involve the students to group discussions
- The teachers may encourage the students to prepare assignments on the topics discussed in the classes.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC3.3/ENVH

Atmosphere and Global Climate scenario

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to describe the atmospheric, oceanic and climate scenario of the earth and to evaluate the impression of anthropogenic activities on climate.

- Earth systems
- Earth's atmosphere
- Oceans
- Human impacts on climate
- Climate change

Teaching Method

- The teachers may encourage the students to explore the surrounding to point out the anthropogenic activities that have adverse results.
- The students are always motivated to participate in seminars and workshops

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC3.1/EVME

Environmental Management I

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to define the management practices to conserve the resources and ecosystem.

- Environment, ecology and management, positive and negative effects
- Human impact on natural environment
- Population and ecological crisis
- Management of forest resource
- Management of mineral resource

Teaching Method

- The teachers may encourage the students to participate in academic sessions on environmental managements.
- The students may be guided to write reports on the same topic.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC3.2/EVME

Environmental Management II

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to outline the Environmental Impact Assessment (EIA) methods practiced in India.

- Environmental impact assessment
- Basic steps of overall appraisal of development projects
- Environmental audit
- Evaluation of environmental impact
- Environmental Management plan (EMP) and Environmental Audit

Teaching Method

- The teachers may involve the students to evaluate environmental impacts of any project or anthropogenic activity and prepare an EIA report.
- The students may be taken to any ongoing project site to note the methods of environmental auditing, evaluation and so on.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC3.1/MEVE

Man and Environment I

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to derive the significance of environmental education, incorporation of environmental know-how in science and technology, mass communication.

- Environmental education and environmental literacy
- Fundamentals of mass communication
- Basics of science & technology (S&T) communication
- Environmental communication
- Educating consumers

Teaching Method

- The teachers may involve the students to take part in environmental awareness programs.
- The teachers may guide the students to learn the use of mass communication and science and technology for multidimensional approaches.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Third Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC3.2/MEVE

Man and Environment II

Credit hours: 5 X 16 = 80

Course Objective:

The objective of the course is to construct a link between economy and resources or the environment.

- Environmental and resource economics
- Cost-Benefit Analysis and valuation
- Non-renewable resources
- Waste management & renewable resources
- Pollution control, growth, resources and the environment

Teaching Method

- The teachers may involve the students to run real time experiments on cost-benefit analysis and negative externalities.
- The teachers may organize a session with the experts dealing with environment-economy negotiations.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

CORE COURSE

COURSE CODE: RAB/PG/ENVS/CC 4.1/ENVH

Project (Dissertation)

Credit hours: 7 X 15 = 105

Course Objective:

The objective of the course is to collect, organize, compose, analyze, evaluate and interpret data for a short-term project work.

- Dissertation (Report + Viva)

Teaching Method

- The teachers may guide the students by suggesting the proper ways of data collection, compilation, calculation and interpretation of the project.

Subject: Environmental Studies
Program Code: RAB/PG/ENVS
M.A. Fourth Semester
COMPULSORY ELECTIVE COURSE
COURSE CODE: RAB/PG/ENVS/CEC 4.1/EVME
Environmental Management III

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to explore the global environmental issues and strategies for management

- Pollution and global environmental issues
- Management of environment I
- Management of environment II
- Total quality management
- Environmental problems, planning and management in India

Teaching Method

- The teachers may furnish the latest facts on environmental problems, planning and management in India.
- The teachers may organize a discussion among the students

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC 4.2/EVME

Environmental Management IV

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to match the microbiological and biotechnological methods with the environmental management processes

- Toxicology
- Environmental biotechnology
- Bioremediation
- Alternate fuels
- Integrated pest management

Teaching Method

- The teachers may organize a demonstration on bioremediation of pollutants present in water or soil sample.
- The teachers may encourage the students to participate in seminars on this area of researches.

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC 4.1/MEVE

Man and Environment III

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to categorize green industrialism and to analyze (critically) the post colonial industrialism

- The relationship between ‘development’, ‘progress’, science, capitalism and industrialism
- Green critiques of industrialism
- Post-colonial and post-structuralist critiques of development and the discourse of participation
- The impact of development on marginal peoples
- Re-evaluation of development in light of sustainability and social equity; contemporary critiques and models

Teaching Method

- The teachers may involve the students in a debate or discussion on industrialism and green industrialism.
- The teachers may share the latest information

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

COMPULSORY ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/CEC 4.2/MEVE

Man and Environment IV

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to prioritize philosophy of the environment and to employ environmental ethics while nurturing environmental management

- Environmental philosophy
- Theories of environmental ethics and philosophy
- Eco centric theories of nature
- Environmental ethics and issues of national and international governance
- Equitable utilization of resources

Teaching Method

- The teachers may organize discussions on environmental philosophy and ethics with a researcher of the same
- The teachers may influence the students to write short reviews on Indian philosophy and environment

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

OPEN ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/OEC 4.1/DMGO

Disaster Management I

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to explain natural disaster – its cause, impact, mitigation and management, specifically cyclones and fire.

- Disaster: definition, classification and threat
- Response to disaster impact
- Disaster prevention and mitigation
- Management of disasters
- Cyclones and fire-mediated disaster management

Teaching Method

- The teachers may organize a demonstration of any disaster mitigation equipment installed near-by.
- The teachers may organize a discussion with the disaster relief teams for understanding their real time skills

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

OPEN ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/OEC 4.2/DMGO

Disaster Management II

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to explore the management of different disasters such as, flood, landslide, earthquake, tsunami, volcano, and avalanche, and drought, radioactive and nuclear disaster.

- Flood and land slide management
- Earthquake and tsunami management
- Anthropogenic disaster management
- Disaster due to volcano, avalanche, drought and global warming
- Radioactive and nuclear disaster management

Teaching Method

- The teachers may exhibit the news of the disaster occurrences taking place very frequently now-a-days.
- The teachers may organize a discussion with the disaster relief teams for understanding their real time skills

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

OPEN ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/OEC 4.1/MEVO

Museum and Environment I

Credit hours: 5 X 15 = 75

Course Objective:

The objective of the course is to determine the ambient environment required for preservation of the collections of a museum

- Humidity and temperature measurement and control
- Light intensity measurement and control
- Pesticide fumigation
- Air pollution monitoring
- Moisture control and monitoring

Teaching Method

- The teachers may take the students to all the near-by museums
- The teachers may organize a discussion with the museum authorities for better understanding

Subject: Environmental Studies

Program Code: RAB/PG/ENVS

M.A. Fourth Semester

OPEN ELECTIVE COURSE

COURSE CODE: RAB/PG/ENVS/OEC 4.2/MEVO

Museum and Environment II

Credit hours: 5 X 15 = 75

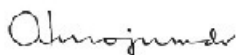
Course Objective:

The objective of the course is to explore the eco-friendly remedies of the degraded or partially degraded museum collections

- Different forms of environmental degradation
- Corrosion , its effects and remedial action
- Salt action and moisture attack and remedial action
- Termite attack and remedies
- Effect of gaseous pollutants and remedies

Teaching Method

- The teachers may take the students to all the near-by museums and conduct a short term experiment based study.
- The teachers may organize a discussion with the museum authorities for better understanding

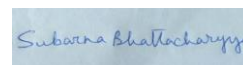


Prof. Arunabha Majumder
Professor-Emeritus
School of Water Resource Engineering,
Jadavpur University



16.06.2022

Prof. Rina Bhattacharya
Professor (retired)
Department of Environmental Science,
University of Kalyani



Dr. Subarna Bhattacharya
Assistant Professor
School of Environmental Studies,
Jadavpur University