

Berhampore Girls' College

Department of Environmental Science

Schedule of Online Classes till 30th June, 2020 Environmental Science (Hons.)

Date	Teacher	Semester	Paper	Unit	Topic
01.04.2020	S.A.	II	CC - 03	Field report	Field visit to wetland -document preparation
02.04.2020	S.A.	II	CC - 03	Field report	Field visit to wetland -document preparation
04.04.2020	S.A.	II	CC - 03	Field report	Field visit to wetland -document preparation
06.04.2020	S.A.	II	CC - 03	Field report	Field visit to wetland -document preparation
08.04.2020	A.C.	IV	CC - 09	02	Green Revolution
	A.C.	II	CC - 03	04	Concepts of wetland and its classification
09.04.2020	A.C.	IV	CC - 09	02	Food resource and causes of food crisis
	A.C.	II	CC - 03	04	Values (economic) and significance of wetland
12.04.2020	A.C.	IV	CC - 09	02	Strategies, how to increase world food production
	A.C.	II	CC - 03	04	Threats to wetlands, discussion
15.04.2020	A.C.	IV	CC - 10	09	Activated sludge system- Trickling filters, Ganga action plan
	A.C.	II	CC - 04	05	Cost of land degradation
	S.A.	IV	CC - 09	03	Natural gas, liquefied petroleum gas, advantages

	S.A.	II	CC - 04	03	Nutrient Depletion- Causes & Impact
16.04.2020	S.C.	IV	CC - 09	03	Solar energy: technology
	S.C.	II	CC - 03	03	Introduction to surface and ground water
	S.A.	II	CC - 03	02	Biological water quality monitoring techniques
	S.A.	IV	CC - 10	03	Water borne diseases
17.04.2020	M.H.	IV	CC - 10	07	Marine resources and their importance; sources of marine pollution
	M.H.	II	CC - 04	Pract.	Determination of Soil water holding capacity: Principle & Procedure
	A.C.	IV	CC - 10	Pract.	BOD estimation – Principle & procedure, discussion
18.04.2020	S.C.H.	IV	CC - 09	01	Resource degradation
	S.C.H.	II	CC - 04	06	Land tenure and land policy
20.04.2020	A.C.	II	CC - 04	05	effects of soil degradation; emerging threats of land degradation to developing countries
	A.C.	IV	CC - 08	01	Concepts of biosystematics
21.04.2020	S.A.	II	CC - 04	03	Recycling of soil nutrient (Phosphorous cycle)
	S.A.	IV	CC - 10	Pract.	Estimation of COD in water sample – procedure & discussion
	S.C.H.	II	CC - 04	06	Legal, institutional and sociological factors
	S.C.H.	IV	CC - 08	05	Biogeographical rules, Biogeographical realms
22.04.2020	S.C.	II	CC - 04	04	Visual indicators of land degradation
	S.C.	IV	CC - 10	02	Effects of different pollutants on human health
23.04.2020	A.C.	II	CC - 04	03	Wetland conservation and management strategies

	A.C.	IV	CC - 08	01	Concepts of biosystematics, identification taxonomic
	S.A.	II	CC - 04	03	Fertilizer and integrated fertilizer management
	S.A.	IV	SEC - 02	03	Environmental audit-introduction, features, strategies
24.04.2020	M.H.	II	CC - 03	05	Marine resources; threats to marine ecosystems and resources
	M.H.	IV	CC - 10	07	Oil spill and its effects
	A.C.	II	CC - 04	Pract.	Potassium estimation
25.04.2020	S.C.	II	CC - 03	02	Vertical distribution of water and water table
	S.C.	IV	CC - 09	03	Passive and active solar heating system
27.04.2020	S.A.	II	CC - 03	06	Water quality standard in India
	S.A.	IV	CC - 08	03	Classification system of Bentham and Hooker
	A.C.	II	CC - 04	05	Effects of soil degradation
	A.C.	IV	CC - 10	09	Oxidation pond and fluidized reactors
28.04.2020	S.C.H.	II	CC - 03	07	Kaveri and Krishna river water disputes
	S.C.H.	IV	CC - 10	06	Radioactive material and sources of radioactive pollution
	S.C.	II	CC - 04	04	Drivers of land degradation
	S.C.	IV	CC - 10	02	Sources and types of air pollutants
29.04.2020	A.C.	II	CC - 03	Pract.	Water demand analysis
	A.C.	IV	SEC - 02	02	Cost-Benefit analysis
	S.C.	II	CC - 03	03	Techniques for ground water recharge
	S.C.	IV	CC - 09	03	Energy efficiency

30.04.2020	S.A.	II	CC - 03	06	overuse and depletion of ground water resources
	S.A.	IV	CC - 08	03	Principle and rules of ICBN
	M.H.	II	CC - 03	06	Marine ecosystem and resource management
	M.H.	IV	CC - 10	07	Coastal area management
04.05.2020	S.C.H.	II	CC - 03	07	Narmada and Tehri dam – social and ecological losses versus economic benefits
	S.C.H.	IV	CC - 08	05	Speciation
	A.C.	II	CC - 03	04	Ramsar Convention, 1971
	A.C.	IV	CC - 08	01	Herbarium; museum
05.05.2020	S.C.	II	CC - 04	01	Land as a resource, Soil health, Restoration of soil fertility
	S.C.	IV	CC - 10	08	Acid mine drainage
	S.A.	II	CC - 03	Field report	Document checking (Field report of wetland)
	S.A.	IV	CC - 09	03	coal: reserves, classification, coal mining in India
06.05.2020	A.C.	IV	CC - 10	09	Bio trickling filter and bio scrubber
	S.C.H.	II	CC - 03	08	Concept of national river linking plant
07.05.2020	S.A.	II	CC - 04	03	Recycling of soil nutrients (Sulphur Cycle)
	S.A.	IV	CC - 09	03	Coal gasification
08.05.2020	S.C.H.	II	CC - 04	06	Integration of land degradation assessment
	S.C.H.	IV	CC - 08	05	Flora and fauna of biogeographical realms

	A.C.	IV	CC - 09	02	Sustainable forestry and management
09.05.2020	M.H.	II	CC - 03	06	Planning approach of marine resource management
	M.H.	IV	CC - 10	07	Existing challenges and management techniques in coastal area management
	S.C.	II	CC - 03	03	Watershed and Drainage basins
	S.C.	IV	CC - 09	03	Hydropower and Wave energy
11.05.2020	S.A.	II	CC - 03	02	Chemical water quality parameter
	S.A.	IV	CC - 10	08	Concept of radioactivity
	A.C.	II	CC - 04	05	Effects of land degradation on nutrient cycle and food security
	A.C.	IV	CC - 10	Pract.	Arsenic estimation notes
12.05.2020	S.C.H.	II	CC - 03	07	International conflicts on water sharing: Agreements
	S.C.H.	IV	CC - 08	05	Types of speciation
	S.C.	II	CC - 04	04	Land Resources: types and evaluation
	S.C.	IV	CC - 10	08	Concept of Biotransformation and Bioaccumulation
13.05.2020	S.A.	II	CC - 03	06	Overuse and depletion of surface water resources
	S.A.	IV	CC - 10	03	Concept of Effluent treatment plant
14.05.2020	S.C.	II	CC - 04	01	Need for Soil Conservation
	S.C.	IV	SEC - 02	04	Concept of Life Cycle Assessment (LCA)
15.05.2020	A.C.	IV	CC - 10	09	Discussion about reactors

16.05.2020	S.C.H.	II	CC - 03	08	National water policy and water pollution act, 1972
	S.C.H.	IV	CC - 10	06	Effects of radiation on human health
	M.H.	II	CC - 03	06	Construction techniques of coastal zones
	M.H.	IV	CC - 10	07	Planning and construction of coastal zones
18.05.2020	A.C.	IV	CC - 09	02	Mineral resource, rock cycle, types of mining
	A.C.	IV	CC - 08	01	Phytochemistry, Ultrastructure
20.05.2020	S.A.	II	CC - 04	Pract.	Determination of nitrate in soil
	S.A.	IV	CC - 09	03	Coal extraction techniques
21.05.2020	S.C.	II	CC - 03	03	Rain water harvesting in urban settings.
	S.C.	IV	CC - 09	03	Cogeneration, Tidal energy, OTEC.
22.05.2020	S.C.H.	IV	CC - 08	05	Process of speciation
23.05.2020	M.H.	II	CC - 03	06	Monitoring of coastal zones
	M.H.	IV	CC - 10	07	Environmental monitoring of coastal zones
26.05.2020	A.C.	IV	CC - 09	02	Global consumption patterns of mineral resources
	A.C.	IV	CC - 08	01	Molecular methods and numerical methods
27.05.2020	S.A.	II	CC - 03	02	Physical water quality parameter
	S.A.	IV	CC - 09	03	Environmental impact of non-renewable energy consumption
28.05.2020	S.C.	II	CC - 04	01	Ecological and Economic importance of soil, Types and causes of soil degradation.

	S.C.	IV	SEC - 02	04	Life Cycle Inventory of Solid Waste.
29.05.2020	S.C.H.	IV	CC - 08	05	Factors of biogeographic pattern
	S.C.H.	IV	CC - 10	06	Thermal pollution and its effect
30.05.2020	M.H.	II	CC - 04	02	Soil Texture
	M.H.	IV	CC - 09	04	Approaches in resource management
04.06.2020	S.C.	II	CC - 03	03	River Structure And Patterns.
	S.C.	IV	SEC - 02	04	Role of LCA in Waste Management, Advantage and Limitation of LCA, Case Study on LCA of a Product.
05.06.2020	S.C.H.	II	CC - 03	08	Doubt Clearance, Question-Answer
	S.C.H.	IV	CC - 08	05	Processes of speciation, dispersal; extinction.
06.06.2020	M.H.	II	CC - 04	02	Soil water holding capacity; Soil temperature
	M.H.	IV	CC - 09	04	Implications of the approaches
08.06.2020	S.C.H.	II	CC - 08	05	Gene as an unit of evolutionary change
09.06.2020	S.A.	IV	CC - 09	03	Future energy: Options & challenges
10.06.2020	S.A.	II	CC - 03	02	Sodium adsorption ratio
	S.A.	IV	CC - 10	08	Radioactive decay and half-life of pollutant
11.06.2020	S.C.	II	CC - 03	03	Formation And Properties of Aquifer.
	S.C.	IV	CC - 10	02	Ambient Air Quality: Monitoring and Standards (NAAQSI), Air Quality Index,

					Vehicular Pollution and Control Measures.
12.06.2020	S.C.H.	II	SEC - 02	01	Methodologies of EIA; Role of project proponents
	S.C.H.	IV	CC - 08	05	Biogeographic dynamic
13.06.2020	M.H.	II	CC - 04	02	Soil colloids; Soil acidity and alkalinity;
	M.H.	IV	CC - 09	04	Integrated resource management strategies
15.06.2020	A.C.	II	CC - 03	01	Classification of water, importance
	A.C.	IV	SEC - 02	02	Strategic Environmental Assessment; Social Impact Assessment
17.06.2020	S.A.	II	CC - 04	03	Soil moisture and its regulation
	S.A.	IV	CC - 09	03	Liquified natural gas, oil shale
18.06.2020	S.C.	II	CC - 04	01	Impact of Soil Loss And Soil Degradation On Agriculture and Food Security.
	S.C.	IV	CC - 09	03	Bio-diesel, Energy from Biomass.
			CC - 10	08	Role of Chelating Agents in Transferring Pollutants.
19.06.2020	S.C.H.	II	CC - 03	07	Doubt Clearance, Question-Answer
	S.C.H.	IV	CC - 08	05	Paleorecords of diversity and diversification
			SEC - 02	01	EIS; EMP
20.06.2020	M.H.	II	CC - 04	02	Soil salinity and sodicity; Soil organic matter.
	M.H.	IV	CC - 09	04	Concept of sustainability science: different approach towards sustainable

					development and its different constituents
22.06.2020	A.C.	II	CC - 03	01	Values of Wetlands and importance
	A.C.	IV	SEC - 02	02	Environmental management - principles
24.06.2020	S.A.	II	CC - 03	06	Role of state in water resource management.
	S.A.	IV	SEC - 02	03	Case study: Hydroelectric project
25.06.2020	S.C.	II	CC - 04	Pract.	Discussion on Identification of Degraded Land using Remote Sensing Data and Topological Sheets.
	S.C.	IV	CC - 09	03	Nuclear Power: Nuclear Fission, Fusion Reactors.
			CC - 10	Pract.	Discussion on Chlorine Estimation.
26.06.2020	A.C.	IV	SEC - 02	02	Environmental planning
27.06.2020	M.H.	II	CC - 04	02	Micronutrients of soil
	M.H.	IV	CC - 09	04	Sustainability of society, resources and framework; sustainable energy strategy
29.06.2020	A.C.	II	CC - 04	05	Economic importance of land
	A.C.	IV	SEC - 02	02	Environmental audit
30.06.2020	M.H.	IV	CC - 09	04	Principles of energy conservation; Indian renewable energy programme.

S.C. – Sayoni Chatterjee
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