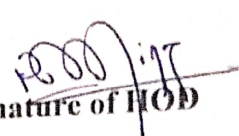


Discipline: ELECTRICAL ENGINEERING	Semester I 3rd Semester (2022-23) 2022/2023	Name of the Teaching Faculty: Gouranga Badhel Sr. Lecturer (Chemistry)
Subject: Environmental Studies (EVS)	No. of Days/week Class Allotted: 60	Semester from date: 15/09/2022 to 23/01/2023
Class No.	Date	No of weeks: 15 Theory Topics
1	15-09-2022	The Multidisciplinary nature of environmental studies: Definition, scope and importance.
2	15-09-2022	Need for public awareness.
3	16-09-2022	Forest resources: Use and over-exploitation, deforestation,
4	20-09-2022	case studies, Timber extraction
5	21-09-2022	Mining, dams and their effects on forests and tribal people.
6	22-09-2022	Water resources: Use and over-utilization of surface and ground water,
7	23-09-2022	floods, drought
8	27-09-2022	conflicts over water, dam's benefits and problem
9	28-09-2022	Mineral Resources: Use and exploitation
10	29-09-2022	Environmental effects of extracting and using mineral resources.
11	30-09-2022	Food Resources: World food problems
12	11-10-2022	changes caused by agriculture and over grazing
13	12-10-2022	effects of modern agriculture, fertilizers- pesticides problems,
14	13-10-2022	water logging, salinity
15	14-10-2022	Energy Resources: Growing energy need,
16	18-10-2022	renewable and non-renewable energy sources,
17	19-10-2022	Use of alternate energy sources, case studies.
18	20-10-2022	Land Resources: Land as a resource, land degradation
19	21-10-2022	Man induces landslides, soil erosion, and desertification.
20	26-10-2022	Revision of Flood ,Drought and Effect of modern agriculture
21	27-10-2022	Role of individual in conservation of natural resources and equitable use of resources for sustainable life styles.
22	01-11-2022	Concept of an eco-system.
23	02-11-2022	Structure and function of an eco-system.
24	03-11-2022	Producers, consumers, decomposers.

25	04-11-2022	Energy flow in the eco systems.
26	09-11-2022	Ecological succession and Food chains.
27	10-11-2022	Revision class of ecosystem
28	15-11-2022	Food webs and ecological pyramids.
29	16-11-2022	Introduction, types, characteristic features, structure and function of the following eco system: Forest ecosystem:
30	18-11-2022	Aquatic eco systems (ponds, streams, lakes, rivers, oceans,
31	22-11-2022	Introduction-Definition: genetics, species and ecosystem diversity.
32	23-11-2022	Bio-geographical classification of India.
33	25-11-2022	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values.
34	29-11-2022	Biodiversity at global, national and local level and threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts
35	30-11-2022	Revision class of value of biodiversity and threats.
36	01-12-2022	Definition Causes, effects and control measures of: AIR POLLUTION
37	02-12-2022	Definition Causes, effects and control measures of: WATER POLLUTION
38	06-12-2022	Definition Causes, effects and control measures of: SOIL POLLUTION
39	07-12-2022	Definition Causes, effects and control measures of: MARINE POLLUTION
40	08-12-2022	Definition Causes, effects and control measures of: NOISE POLLUTION
41	09-12-2022	Definition Causes, effects and control measures of: THERMAL POLLUTION
42	13-12-2022	Definition Causes, effects and control measures of: NUCLEAR POLLUTION
43	14-12-2022	Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
44	15-12-2022	Role of an individual in prevention of pollution. Disaster management: Floods, earth quake, cyclone and landslides
45	16-12-2022	Revision class of Air and Water pollution.
46	18-12-2022	Form unsustainable to sustainable development. Urban problems related to energy
47	19-12-2022	Water conservation, rain water harvesting, water shed management.
48	20-12-2022	Resettlement and rehabilitation of people; its problems and concern
49	21-12-2022	Environmental ethics: issue and possible solutions.
50	22-12-2022	Revision class of rain water harvesting.
51	03-01-2023	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.
52	04-01-2023	Air (prevention and control of pollution) Act

53	05-01-2023	Water (prevention and control of pollution) Act.
54	10-01-2023	Public awareness.
55	11-01-2023	Population growth and variation among nations.
56	12-01-2023	Population explosion- family welfare program.
57	13-01-2023	Environment and human health
58	17-01-2023	Human rights Value education
59	19-01-2023	Revision class of population growth and its impact.
60	20-01-2023	Previous question and answer discussion.


Signature of Faculty


Signature of HOD