



SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY

LESSON PLAN (WINTER 2022)

Discipline- Computer Science & Engineering	Semester- 3rd	Faculty Name- Reshma Kerketta
Subject- Environmental Studies	No of days/ per week class allotted-5	Semester from date- 06.09.2022 to 21.01.2023 No of weeks-20
Week	Class day	Theory Topics
SEP 2ND	06-09-22	The Multidisciplinary nature of environmental studies
	07-09-22	The Multidisciplinary nature of environmental studies
	08-09-22	Definition, scope and importance. Need for public awareness.
	09-09-22	Definition, scope and importance. Need for public awareness.
	10-09-22	Natural Resources: Renewable and non-renewable resources
SEP 3RD	13-09-22	Forest resources: Use and over-exploitation, deforestation, case studies,
	14-09-22	Timber extraction mining, dams and their effects on forests and tribal people.
	15-09-22	Timber extraction mining, dams and their effects on forests and tribal people.
	16-09-22	Water resources: Use and over-utilization of surface and ground water,
	17-09-22	floods, drought, conflicts over water, dam's benefits and problems.
SEP 4TH	20-09-22	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
	21-09-22	Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
	22-09-22	Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture,
	23-09-22	Food Resources: World food problems, changes caused by agriculture and over grazing, effects of modern agriculture,
	24-09-22	fertilizers- pesticides problems, water logging, salinity..
SEP 5TH	27-09-22	Energy Resources: Growing energy need, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
	28-09-22	Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification
	29-09-22	Land Resources: Land as a resource, land degradation, man induces landslides, soil erosion, and desertification
	30-09-22	Role of individual in conservation of natural resources.
OCT 1ST	01-10-22	Equitable use of resources for sustainable life styles.
OCT 2ND	04-10-22	Concept of an eco-system.
	05-10-22	Concept of an eco-system.
	06-10-22	Structure and function of an eco-system.
OCT 3RD	11-10-22	Producers, consumers, decomposers
	12-10-22	Energy flow in the eco systems
	13-10-22	Ecological succession
	14-10-22	Food chains, food webs and ecological pyramids.
	15-10-22	Food chains, food webs and ecological pyramids.
OCT 4TH	18-10-22	Introduction, types, characteristic features, structure and function of the following eco system
	19-10-22	Assignment
	20-10-22	Doubt Class
NOV 1ST	01-11-22	Class Test
	02-11-22	Forest ecosystem
	03-11-22	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).
	04-11-22	Aquatic eco systems (ponds, streams, lakes, rivers, oceans, estuaries).
	05-11-22	Biodiversity and it's Conservation: Introduction-Definition: genetics, species and ecosystem
	08-11-22	Biogeographically classification of India
	09-11-22	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values.

NOV 2ND	10-11-22	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values.
	11-11-22	Biodiversity at global, national and local level.
	12-11-22	Threats to biodiversity:Habitats loss, poaching of wild life, man wildlife conflicts.
NOV 3RD	15-11-22	Environmental Pollution Definition Causes, effects and control measures of:Air pollution.
	16-11-22	Water pollution, Soil pollution
	17-11-22	Assignment
	18-11-22	Doubt Class
	19-11-22	Class Test
NOV 4TH	22-11-22	Marine pollution,Noise pollution.
	23-11-22	Thermal pollution,Nuclear hazards
	24-11-22	Solid waste Management: Causes, effects and control measures of urban and industrial wastes
	25-11-22	Solid waste Management: Causes, effects and control measures of urban and industrial wastes
	26-11-22	Role of an individual in prevention of pollution.
NOV 5TH	29-11-22	Disaster management: Floods, earth quake, cyclone and landslides.
	30-11-22	Disaster management: Floods, earth quake, cyclone and landslides.
DEC 1ST	01-12-22	Social issues and the Environment:Form unsustainable to sustainable development.
	02-12-22	Doubt Class
	03-12-22	Urban problems related to energy.
DEC 2ND	06-12-22	Water conservation, rain water harvesting, water shed management.
	07-12-22	Water conservation, rain water harvesting, water shed management.
	08-12-22	Resettlement and rehabilitation of people; its problems and concern
	09-12-22	Environmental ethics: issue and possible solutions.
	10-12-22	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies
DEC 3RD	13-12-22	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies
	14-12-22	Air (prevention and control of pollution) Act.
	15-12-22	Air (prevention and control of pollution) Act.
	16-12-22	Water (prevention and control of pollution) Act.
	17-12-22	Public awareness.
DEC 4TH	20-12-22	Doubt Class
JAN 2ND	04-01-23	Class Test
	05-01-23	Human population and the environment
	06-01-23	Population growth and variation among nations
JAN 3RD	10-01-23	Population explosion- family welfare program.
	11-01-23	Environment and humanhealth
	12-01-23	Environment and humanhealth
	13-01-23	Human rights
	14-01-23	Human rights
JAN 4TH	17-01-23	Value education
	18-01-23	Value education
	19-01-23	Role of information technology in environment and human health.
	20-01-23	Role of information technology in environment and human health.
	21-01-23	Doubt Class

Total no. of Classes: 80
 No. of Theory Classes: 65
 No. of Tutorial Classes: 5
 No. of Digital Classes: 5
 No. of PPT Classes: 5

H.O.D. H.O.D

Computer Science & Engineering
 S.V.S.E.T., Madanpur

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DEVA ACADEMICS
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PRINCIPAL

Swami Vivekananda School of Engg. & Tech
 Madanpur, BBSR