

DRONACHARYA COLLEGE OF ENGINEERING

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: ME

Academic Session: 2021-21 (May-Aug 2021)

Lecture Plan

Subject with code :Environmental Science----MC-106G

Name of Faculty with designation : Dr. Anupam Dalal (Asst. Professor)

S.No.	Month	Date & Day	Sem-Class	Section/Unit	Topic/Chapter covered	Academic activity	Test / assignment
1			IV ME	A	Introduction about subject		Assignment of 02 Ques. given
2			IV ME	A	The Multidisciplinary nature of environmental studies. Definition, scope and importance.		Assignment of 02 Ques. given
3			IV ME	B	Forest resources : Use and over-exploitation : deforestation, case studies. Timber extraction, mining dams and their effects on forests and tribal people.		Assignment of 02 Ques. given
4			IV ME	B	Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies.		Assignment of 02 Ques. given
5			IV ME	B	Food resources : World food problems, changes, caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, Water logging, salinity, case studies.		Assignment of 02 Ques. given
6			IV ME	B	Energy resources : Growing energy needs; renewable and non-renewable energy sources, use of alternate energy sources, case studies.		Assignment of 02 Ques. given
7			IV ME	B	Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.		Assignment of 02 Ques. given
8			IV ME	B	Natural Resources:		Assignment of 02 Ques. given
9			IV ME	B	Renewable and non-renewable resources : Natural resources and associated problems.		Assignment of 02 Ques. given
10			IV ME	B	Role of an individual in conservation of natural resources.		Assignment of 02 Ques. given

11			IV ME	B	Equitable use of resources for sustainable lifestyles.		Assignment of 02 Ques. given
12			IV ME	C	Forest ecosystem.		Assignment of 02 Ques. given
13			IV ME	C	Grassland ecosystem.		Assignment of 02 Ques. given
14			IV ME	C	Desert ecosystem		Assignment of 02 Ques. given
15			IV ME	C	Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).		Assignment of 02 Ques. given
16			IV ME	C	Biodiversity and its conservation :		Assignment of 02 Ques. given
17			IV ME	C	Introduction - Definition : Genetic, Species and ecosystem diversity		Assignment of 02 Ques. given
18			IV ME	C	Ecosystems		Assignment of 02 Ques. given
19			IV ME	D	Producers, consumers and decomposers.		Assignment of 02 Ques. given
20			IV ME	D	Energy flow in the ecosystem.		Assignment of 02 Ques. given
21			IV ME	D	Ecological succession.		Assignment of 02 Ques. given
22			IV ME	D	Food chains, food webs and ecological pyramids.		Assignment of 02 Ques. given
23			IV ME	E	Introduction, types, characteristic features, structure and function of the following eco-system :		Assignment of 02 Ques. given
24			IV ME	E	Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values.		
25			IV ME	E	Biodiversity at global, National and local levels.		Assignment of 02 Ques. given
26			IV ME	E	India as a mega-diversity nation.		Assignment of 02 Ques. given
27			IV ME	E	Hot-spots of biodiversity.		Assignment of 02 Ques. given
28			IV ME	E	Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts.		Assignment of 02 Ques. given
29			IV ME	E	Endangered and endemic species of India.		Assignment of 02 Ques. given
30			IV ME	E	Conservation of biodiversity : In-situ and ex-situ conservation of biodiversity.		Assignment of 02 Ques. given
31			IV ME	F	Environmental pollution :		Assignment of 02 Ques. given
32			IV ME	F	Definition, causes, effects and control measures of :		Assignment of 02 Ques. given

33			IV ME	F	Definition, causes, effects and control measures of :		Assignment of 02 Ques. given
34			IV ME	F	Air pollution.		Assignment of 02 Ques. given
35			IV ME	F	Water pollution		Assignment of 02 Ques. given
36			IV ME	F	Soil pollution		Assignment of 02 Ques. given
37			IV ME	F	Marine pollution		Assignment of 02 Ques. given
38			IV ME	F	Noise pollution		Assignment of 02 Ques. given
39			IV ME	F	Thermal pollution		Assignment of 02 Ques. given
40			IV ME	F	Nuclear hazards		Assignment of 02 Ques. given
41			IV ME	F	Solids waste management: causes, effects and control measures of urban and industrial wastes.		Assignment of 02 Ques. given
42			IV ME	F	Resettlement and rehabilitation of people : its problems and concerns case studies.		Assignment of 02 Ques. given
43			IV ME	G	Environmental ethics : Issues and possible solutions.		Assignment of 02 Ques. given
44			IV ME	G	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.		
45			IV ME	G	Wasteland reclamation.		Assignment of 02 Ques. given
46			IV ME	G	Consumerism and waste products.		Assignment of 02 Ques. given
47			IV ME	G	Environment Protection Act.		Assignment of 02 Ques. given
48			IV ME	G	Air (Prevention and Control of pollution) Act.		Assignment of 02 Ques. given
49			IV ME	G	Water (Prevention and Control of pollution) Act.		Assignment of 02 Ques. given
50			IV ME	G	Wildlife Protection Act.		Assignment of 02 Ques. given
51			IV ME	G	Forest Conservation Act.		Assignment of 02 Ques. given
52			IV ME	G	Issues involved in enforcement of environmental legislation. * Public awareness.		Assignment of 02 Ques. given
53			IV ME	G	Unit-7 Human population and the Environment :		Assignment of 02 Ques. given
54			IV ME	G	Population growth, variation among nations. Population explosion- Family Welfare Programme. Environment and human health.		Assignment of 02 Ques. given

55			IV ME	G	Human Rights. Value Education. HIV/AIDS.		Assignment of 02 Ques. given
56			IV ME	G	Woman and Child Welfare		Assignment of 02 Ques. given
57			IV ME	G	Role of Information Technology in Environment and human health. Case Studies.		Assignment of 02 Ques. given
58			IV ME	G	Field Work :		Assignment of 02 Ques. given
59			IV ME	G	Visit ...		Assignment of 02 Ques. given