

Session - 2020 - 2021

Name of the faculty:- Swarna Lata Barik

Session:- 2020-2021

Discipline:- Electronics & Telecommunication
Engg.

Semester :- 3rd

Subject:- Environmental Studies (EVS)

No of Weeks:- 27

No of periods per week allotted - 4
(according to SCTE & VT)

No of periods per week (during on-line
classes):- 3

Subject Name → Environmental Studies (EVS)

Week	class	Topic
<u>1st week</u>		
1.9.2020	1st	Definition, scope & importance of environmental studies.
to	2nd	Need for public awareness.
3.9.2020	3rd	Natural Resources → Renewable & non-renewable resources.
<u>2nd week</u>		
7.09.2020	1st	Natural resources & associated problems
to	2nd	Forest Resources → use, case studies etc.
12.09.2020	3rd	Water Resources → use, overutilization, floods, drought, conflicts over water, dam's benefits & problems.
<u>3rd</u>		
14.09.2020	1st	Mineral Resources
to	2nd	Food Resources → world food problem, changes caused by agriculture & over grazing, effects of modern agriculture etc.
19.09.2020	3rd	Energy Resources → Growing energy need, renewable & non renewable energy sources etc.
<u>4th week</u>		
21.09.2020	1st	Land Resources
to	2nd	Role of individual conservation of natural resources.
26.09.2020	3rd	Equitable use of resources for sustainable lifestyles.

5th Week

	1st	Concepts of an ecosystem
28.9.2020 to 3.10.2020	2nd	Structure and function of an ecosystem.
	3rd	Producers, consumers, decomposers.

6th Week

	1st	Energy flow in ecosystem
5.10.2020 to 10.10.2020	2nd	Structure and function of an ecosystem
	2nd	Ecological succession
	3rd	Food chains, food webs & ecological pyramids.

7th Week

	1st	Introduction, types, characteristics features of the forest ecosystem
12.10.2020 to 17.10.2020	2nd	Introduction, types, characteristics features structure and function of Aquatic ecosystems.
	3rd	" (ponds, streams, lakes, rivers, oceans, estuaries).

8th Week

19.10.2020 to 24.10.2020	1st	Introduction - Definition of genetic species and ecosystem diversity.
	2nd	"
	3rd	Biogeographically classification of India

9th Week

10th Week

2.11.2020

1st

← Dwaga Puja →
Value of biodiversity: Consumptive use, productive use.

11.11.2020 2nd
2nd
Social ethical, aesthetic & option values.
Biodiversity and at global, national and local level.

11th week
11.11.2020 1st
12.11.2020 2nd
13.11.2020 3rd
Threats to biodiversity
Habitat loss, poaching of wildlife
other threats → man and wildlife conflicts

12th week
16.11.2020 1st
17.11.2020 2nd
18.11.2020 3rd
Definition causes, effects and control measure of
→ Air pollution
→ Water Pollution
→ Soil Pollution

13th week
23.11.20 1st
24.11.20 2nd
25.11.20 3rd
Definition, causes, effects & control measures of
→ Marine Pollution
→ Noise Pollution
→ Thermal Pollution

14th week
30.11.20 1st
1.12.20 2nd
2.12.20 3rd
Definition, causes, effects & control measures of
→ Nuclear Hazards.
Solid waste management: cause, effects
→ control measures of
urban & industrial wastes.

15th week
7.12.20 1st
8.12.20 2nd
9.12.20 3rd
Role of an individual in prevention of pollution
Ideas to prevent pollution
Disaster management: Flood, earthquake.

16th week

14.12.20

to

19.12.20

1st

Disaster Management: Cyclone & Landslides.

2nd

Social issues and the Environment

3rd

From unsustainable to sustainable development.

17th week

21.12.20

to

26.12.20

1st

Urban problems related to energy.

2nd

water conservation, rain water harvesting.

3rd

water shed management.

18th week

28.12.20

to

2.01.21

1st

Resettlement and rehabilitation of people.

2nd

the problems & concern.

3rd

Revision till now.

19th week

4.1.21

to

9.1.21

1st

Revision

2nd

Environmental Ethics.

3rd

Environmental Ethics issues.

20th week

11.1.21

to

16.1.21

1st

Solutions of environmental Ethics issues.

2nd

climate change

3rd

Global warming.

21st week

18.1.21

to

1st

Acid Rain, Case studies

2nd

Ozone layer depletion

23.1.21 3rd Nuclear accidents

23rd Week

25.1.21 1st holocaust, Case studies-2

26.1.21 2nd Case studies-II

30.1.21 3rd Air Act understanding

23rd

1.2.2021 1st Prevention & Control of pollution → Air act

2.2.2021 2nd Water act understanding

3.2.2021 3rd Prevention & Control of pollution

24th Week

5.2.2021 1st Public awareness

6.2.2021 2nd. Population & the environment

13.2.2021 3rd. Population growth

25th Week

15.2.21 1st Variation, among nations.

16.2.21 2nd Population explosion

20.2.21 3rd Family welfare program.

21.2.21 4th Revision till date

26th Week

22.2.21 1st Environment and human health.

23.2.21 2nd Human rights

27.2.21 3rd value education

28.2.21 4th Discussion on human health

27th Week

1st Role of Information technology in ^{human} health.

2nd human health & Information technology

3rd Discussion on human rights & human health analysis

4th Human health concerns & Revision