

TED (21) – 2001
REVISION 2021

Reg.No.....
Signature.....

SECOND SEMESTER DIPLOMA EXAMINATION IN ENGINEERING AND
TECHNOLOGY / COMMERCIAL PRACTICE / MANAGEMENT
(Common to all Diploma Programmes)
ENVIRONMENTAL SCIENCE

Time: 3 hours

Maximum Marks: 75

PART A

I. Answer all questions in one word or one sentence. Each question carries one mark.

(9 x 1 = 9 Marks)

1	The main drawback of wind energy is	M 3.04	R
2	..... is a hazardous waste	M4.02	U
3	e-wastes are rejected..... devices	M 4.03	R
4	..... is a set of standards for companies and organizations of any type that require practical tools to manage their environmental responsibilities	M 4.03	R
5	..... is an example of an alternative energy resource	M 3.04	R
6	..... is responsible for ozone depletion	M 1.05	R
7	..... is the first member of a food chain	M 1.04	U
8	Air can be purified using	M 2.03	R
9	..... is an example for a pollutant which causes air pollution	M 2.02	R

PART B

II. Answer any eight questions from the following. Each question carries 3 marks

(8 x 3 = 24 Marks)

1	What do you mean by solar still	M 3.01	R
2	Explain the working of catalytic converter?	M 2.02	U
3	Write a note on aquatic ecosystems	M 1.03	U
4	Describe the characteristics of solid waste	M 4.01	U
5	What are the adverse effects of global warming?	M 1.05	U

6	What is the role of SPCB	M 4.04	U
7	Explain ozone layer depletion.	M 1.05	U
8	Enumerate the demerits of noise pollution	M 4.01	R
9	What are the benefits of wind energy to the environment?	M 3.03	U
10	Explain about ocean thermal energy?	M 3.04	R

PART C

Answer all questions. Each question carries seven marks

(6 x 7 = 42 Marks)

III	Write a note on electrostatic precipitator and Cyclone separator. OR	M2.04	R
IV	Explain green house effect by considering its causes and effects.	M 1.05	U
V	What are the sources and conflicts of air pollution? OR	M2.03	U
VI	Explain carbon and nitrogen cycles.	M 1.04	U
VII	Explain good alternative sources of energies? OR	M 3.04	U
VIII	Write a note on ocean energy	M 3.04	U
IX	Explain about E-waste? OR	M4.03	R
X	Explain the following i) carbon credit ii) carbon foot print	M4.04	U
XI	Comment on the adverse effects acid rain OR	M 1.01	U
XII	Explain the following i) COD ii) BOD	M 2.05	U
XIII	Write a short note on Geothermal energy. OR	M 3.03	U
XIV	What are the structural components of an ecosystem	M 1.04	U