

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 component of Biogas 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	..... gas is responsible for global warming	M 1.05	R
7	..... can produce their own food using sunlight	M 1.04	U
8	Bag filter is used for	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	Explain the working of solar dryer	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 drawbacks of wind energy	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 2.01	R
9	What are the benefits of wind energy to the environment?	M 3.03	U
10	Explain about ocean tidal 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	Classify air pollutants. What are the major air pollutants? OR	M2.03	U
VI	Draw and explain carbon and nitrogen cycles.	M 1.04	U
VII	What are the major renewable energy sources? 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 reason and adverse effects of acid rain OR	M 1.01	U
XII	Explain about any three water quality parameters.	M 2.05	U

XIII	Write a short note on hydrogen as a fuel.	M 3.03	U
OR			
XIV	What are producers, consumers and decomposers of an ecosystem? explain with example.	M 1.04	U
