

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

ENVIRONMENTAL SCIENCE
MODEL QUESTION PAPER

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	What is air pollution?	M 2.02	R
2	What is greenhouse effect	M 1.05	R
3	Name two new energy resources	M 3.04	R
4	What is a hazardous waste	M 4.03	R
5	State two advantages of cyclone separators	M2.02	U
6	Name two pollutants responsible for ozone depletion	M 1.05	R
7	Name the instrument used to measure the noise	M 2.04	U
8	Name two classifications of aquatic ecosystem	M 1.03	U
9	What are the objectives of air pollution control act?	M 4.04	U

PART B

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

(8 x 3 = 24 Marks)

1	Explain classification of air pollutants?	M 2.02	U
2	Explain ISO 14000	M 4.07	U
3	Explain the sources of solid waste	M 4.01	R
4	Write a note on solar water heater	M 3.01	U
5	Explain the effects of solid waste pollution	M 4.03	U

6	What are the consequences of global warming?	M 1.05	R
7	Explain the working of catalytic converters	M 2.02	U
8	Explain the effects of noise pollution	M 2.04	U
9	Write a note on aquatic ecosystems	M 1.03	U
10	What is the role of ozone in the stratosphere?	M 1.05	U

PART C

Answer all questions. Each question carries seven marks

(6 x 7 = 42 Marks)

III	What is air pollution? Explain the control of gaseous pollutants. OR	M 2.02	U
IV	Explain the salient features of water prevention and control of pollution act	M4.04	U
V	Explain major terrestrialecosystems OR	M 1.03	U
VI	Explain disposal methods of solid waste	M 4.03	U
VII	Explain the role of central and state pollution control board in controlling water pollution OR	M 4.04	U
VIII	Explain carbon and nitrogen cycles with diagrams	M 1.04	R
IX	What are the sources and effects of water pollution? OR	M2.03	U
X	What is tidal energy? Explain its merits and demerits	M 3.04	U
XI	What is geothermal energy? Explain its merits and demerits OR	M 3.04	U
XII	Explain the causes and effects of global warming	M 1.05	U

XIII	Explain sources and effects of air pollution	M 2.02	U
	OR		
XIV	Write a note on hydrogen energy and ocean energy	M 3.04	U