



# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : MC 401/MC-401/MC401 Environmental Sciences

UPID : 004421

Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

## Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :

[ 1 x 10 = 10 ]

- (i) Define the term Environment.
- (ii) What is noise pollution?
- (iii) Give two example of renewable resource.
- (iv) Name the pollutant which is responsible for ozone depletion.
- (v) What do you mean by Biotic component of ecosystem?
- (vi) What is the percentage of oxygen present in the troposphere?
- (vii) Define the term BOD.
- (viii) What is the major element found in earth crust?
- (ix) What is equivalent noise level?
- (x) Why environmental protection act was established?
- (xi) What do you mean by doubling time in exponential population growth?
- (xii) The term 'ecology' evolved from which Greek words?

## Group-B (Short Answer Type Question)

Answer any three of the following :

[ 5 x 3 = 15 ]

2. Write a brief note about noise pollution. [5]
3. Write a short note about water pollution. [5]
4. Write brief note about solid waste management and control. [5]
5. Write a brief note about noise pollution control measurement. [5]
6. Write a brief note about different kinds of solid waste. [5]

## Group-C (Long Answer Type Question)

Answer any three of the following :

[ 15 x 3 = 45 ]

7. Write a brief note about environmental impact assessment using flow chart. What are the objectives of EIA? How it is associated with sustainable development? [ 15 ]
8. (a) Define the terms: DO, BOD and COD. [ 15 ]  
(b) Discuss the principle of BOD test.  
(c) Write a brief note about eutrophication.
9. Write a brief note about different types of solid waste management. [ 15 ]
10. Discuss in details the different types of noise pollution. Describe the adverse effect of noise pollution. Give brief description of hearing mechanism of human beings. [ 15 ]
11. List three basic elements that might require alteration or modification to solve a noise problem. [ 15 ]

\*\*\* END OF PAPER \*\*\*