

2055

B.E. (Mechanical Engineering)

Eighth Semester

HS-806: Environment Sciences

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Section.

x-x-x

1. Attempt the following:-

- (a) What is BOD?
- (b) Name two diseases caused by water pollution.
- (c) What are the effects of air pollution on aquatic life?
- (d) What is ten percent law in context of Environment?
- (e) Name any two animals which have become extinct in India?
- (f) Which are the agents responsible for ozone depletion?
- (g) Name two chemical measures of water quality.
- (h) Define Biomagnification.
- (i) What is the unit used to measure the noise intensity?
- (j) What is vermi-composting? (1 x 10)

Section - A

2. (a) Unawareness and ignorance about protection of environment will lead to detrimental consequences. Comment with illustration. (3)
- (b) Explain the structure and composition of atmosphere. How does the atmosphere make life possible on Earth? (7)
3. (a) What are the major impacts of mining activities? (5)
- (b) What are ecological pyramids? Explain why some of these pyramids are upright while others are inverted in different types of ecosystems? (5)
4. Write short notes on:

(i) Green house effect	(ii) Eutrophication
(iii) Biomagnification	(iv) Acid rain.

(4X2.5)

Section - B

5. (a) What are the different types water pollutants? (5)
- (b) What are the ecological impacts of modern agricultural techniques? (5)

P.T.O.

(2)

6. Explain briefly permissible levels of noise for different locations. Describe the effect of noise pollution. Which measures can be taken to control noise pollution? (10)
7. Define and classify solid waste. What adverse effects can solid wastes cause if not managed properly? What are the methods used for the disposal of solid waste in India? (10)

x-x-x