

INDIAN INSTITUTE OF TECHNOLOGY DELHI  
 Minor Examination  
 RDL725; 2022-23, Autumn Semester

Time duration: 1 h  
 MM: 60

- Q1. Explain why Environmental Resources should be considered as scarce resource and why freely operating private market system can not measure the scarcity of Natural resources using *Price*. 15
- Q2 a. An Economist opines that the action of society to discharge waste (pollute) beyond the assimilative capacity of the environment is justified if society values the benefit from (the extra value of the goods and services produced) more than the cost of the damage to the environmental quality due to excess pollution. Give critical comments on the opinion of Economist. 10
- Q2 b. Discuss why zero pollution is neither possible nor desirable? Explain ban on DDT in view of aforementioned hypothesis. 5
- Q3. Technological advances continually augment the scarcity of natural resources (as raw material and waste assimilative capacity) and equally favoured by economists & ecologist as measure of optimal resource allocation. Critically Examine the above statement. 15
- Q4 a. Obtain optimal pollution in the situation given below. Also Calculate optimal cost of waste disposal. 10

Quantity of Emissions	100	200	300	400	500	600	700	800	900
Marginal Pollution Control Cost (Rs 000)	400	320	230	185	150	120	75	40	0
Marginal Environmental Damage Cost (Rs 000)	50	80	115	140	180	200	230	260	350

- Q4 b. Discuss the two features shown in the figure below, necessary for the functioning of Ecosystem 5

