B. TECH.
THEORY EXAMINATION (SEM–VI) 2016-17
ENVIRONMENTAL ECONOMICS

Time : 3 Hours *Max. Marks : 100*

Note : *Be precise in your answer. In case of numerical problem assume data wherever not provided.*

SECTION-A

1 **Attempt all of the following:** **(10×2=20)**
a) What do you mean by environmental economics?
b) Discuss briefly the environmental externalities.
c) Explain environmental pollution in brief.
d) Discuss the role of natural environment in economic process.
e) Explain polluter pays principle.
f) What is cap and trade system?
g) Discuss about tradable pollution permits.
h) Enumerate various elements of market oriented economy.
i) What are the advantages of landfill taxes?
j) Name the international organization for environmental protection.

SECTION-B

2 **Attempt any five of the following:** **(10×5=50)**
a) Explain invisible hand theorem for allocation of resources.
b) What is pollution tax? Discuss various types of pollution taxes.
c) Explain the methods to measure the effectiveness of tradable pollution permits.
d) Discuss the effects of transboundary pollution on the economics.
e) What is meant by ecological economics? Explain the implications of ecology on human economy.
f) Explain price rationing with different charges to regulate price rationing.
g) Write short notes on the following: (i) Economic operation and environmental issue (ii) Practical conditions for use of economic incentives
h) What is tradable pollution permit? Also explain its advantages and limitation.

SECTION-C

Attempt any two of the following: **(15×2=30)**
3 (i) Explain coase theorem.
   (ii) Discuss waste removal fees.
4 (i) Discuss the methods for measuring the economic activities.
   (ii) What do you understand by pollution taxes? Discuss about the problems associated with effective implementation.
5 Discuss the following:
   (i) Liability rates
   (ii) Non convexities
   (iii) Evaluation criteria
   With respect to economic incentive and environmental protection.