



Reg. No. :

Name :

**Seventh Semester B.Tech. Degree Examination, November 2013
(2008 Scheme)
08.704 Elective III (b) : ENVIRONMENTAL ENGINEERING (E)**

Time : 3 Hours

Max. Marks : 100

PART – A

I. Answer **all** questions.

- a) Define the term social ecology.
- b) Write a short note on green engineering.
- c) Differentiate between energy and power.
- d) Explain on GHG emissions.
- e) Discuss on mineral resources scarcity.
- f) What is meant by Tip sheet ?
- g) Write a short on Technological evolution.
- h) What is meant by water foot print ?
 - i) Explain on software indemnity.
 - j) Explain on carbon neutrality.

(10×4=40 Marks)

PART – B

II. Write short notes on :

- a) Industrial ecology
- b) Life cycle assessment.

OR

Write short notes on :

- a) Sustainable Engineering
- b) Forward Thinking.



III. Write short notes on :

- a) Status of water resources
- b) Green washing and Green noise.

OR

Write short notes on :

- a) Heat, Noise, Light and radio emissions
- b) Cumulative supply curves.

IV. Write short notes on :

- a) Responsibilities of the Citizen Engineer.
- b) Employment contracts and IP ownership.

OR

Write short notes on :

- a) Patents and copyright
- b) Open source software.

(3×20=60 Marks)