

B.Tech I Year I Semester (R15) Regular & Supplementary Examinations December 2016

ENVIRONMENTAL STUDIES

(Common to ECE, ME, EIE and IT)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write differences between Renewable and non renewable resources.
 - (b) Give an account on Biomagnification.
 - (c) Write short notes on Grass land ecosystem with a focus on Savannas.
 - (d) Define NBPGR and give its importance.
 - (e) Briefly explain about Minamata disease.
 - (f) What is Green house effect? Write its effect.
 - (g) What is Total fertility rate?
 - (h) Define ENVIS.
 - (i) Give an account on Chipko movement.
 - (j) What is Food web? Give its importance

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 What are the major causes and consequences of deforestation? Discuss with the help of a case study, how big dams have affected forests and the tribal's.
- OR**
- 3 What are the major causes for conflicts over water? Discuss one international and one interstate water conflict. Should we build big dams? Give arguments in favour of your answer.

UNIT – II

- 4 Give an account on the structure and function of an ecosystem. Add a note on ecological pyramids.
- OR**
- 5 What are the major biogeographical regions of India? Add a note on the different levels of biodiversity.

UNIT – III

- 6 What are the sources, effects and control of air pollution? Give an account on Bhopal gas tragedy.
- OR**
- 7 What are the sources, effects and control of solid wastes? How the solid wastes can be managed?

UNIT – IV

- 8 What is rain water harvesting? Give an account on the modern methods of rain water harvesting? Add a note on the conservation of water.
- OR**
- 9 What is acid rain? What are the major impacts of acid rain? How can we control it? Give an account on the agents responsible for ozone depletion.

UNIT – V

- 10 What are the objectives and elements of value education? How can the same be achieved? Discuss various issues for women and child welfare at international and national level.
- OR**
- 11 What is meant by population explosion? Discuss the Indian scenario? How the population growth can be slowed down?