

**SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA**

**SEMESTER END EXAMINATIONS (REGULAR) APRIL – MAY - 2017**

**M.PLANNING (URP) - I YEAR II SEMESTER**

**ELECTIVE: ECOLOGICAL FOOT PRINTS ANALYSIS (MPUR215)**

**Maximum Marks – 50**

**Time – 2.00 Hours**

*a) Answer any Two questions out of 1 to 4 questions.*

*b) Question No.5 is compulsory and answer any four out of six sub-questions.*

- Q1. Discuss the calculation approach in ecological footprint method using ‘consumption categories’ and ‘land use types appropriated’ in the concept of ecological footprint. (15M)
- Q2. Discuss how industrial growth can be related to situations of overshoot. How can Ecological Footprint analysis help in addressing overshoot conditions due to industrial Growth? (15M)
- Q3. Discuss a urban planning situation of ‘Tragedy of Freedom of Commons’ with reference to the core concept as proposed by G.Hardin. In your opinion, how does this concept related to the concept of ‘ecological deficit’? (15M)
- Q4. In your opinion, how can ecological footprint be related to the concept of sustainability in urban and regional planning. Write with examples. (15M)
- Q5. Write short notes on any **FOUR** of the following: (4x5= 20M)
- Carbon Sink method of energy land calculation.
  - Main assumptions considered in ‘real world model’ of EFA
  - Yeild Factor
  - Strategies to address ‘Tragedy of Freedom of Commons’
  - Conditions of overshoot
  - Discuss conditions under which ecological Footprint of a given population can increase?