

BACHELOR OF ARTS EXAMINATION, 2017

(3rd Year, 6th Semester)

ECONOMICS (HONOURS)

RESOURCE & ENVIRONMENTAL ECONOMICS

Time : Two hours

Full Marks : 30

Q.1.

2+2+3=7

- (a) Write down the equations to show stock in any point of time for (i) degradable pollutants and (ii) cumulative pollutants. Cite Examples.
- (b) Explain Daly's principles for managing such pollutants in the context of sustainable development
- (c) What can be the various components of TEV for measuring the benefit of an environmental improvement?

Q. 2. What is a miner's problem when resource stock is fixed and known? Explain how you get an efficient extraction path in two period case in Grey's Model.

b. In a single species fishery model does profit maximizing effort always lead to extinction of the species?

9+6=15

Q.3 Consider a situation where there are three firms with varying pollution control technologies reflected in respective abatement costs. Show of the two instruments standard and pollution tax which one of the two yields least cost solution? 8