Time: 90minutes

## **Environmental Science**

Total Marks: 45 Note: No clarifications will be given during the exam If need, make Suitable assumptions and state it clearly when answering 1. Fill in the blanks 10x0.5=5✓a. -----projects are not eligible under CDM nuclear b. In mature forests all of the gross primary productivity is either used up in ----- or returned to soil as ----- with no net addition to the standing biomass. is the major source of methane emissions d. -----stores carbon while protecting water quality Requires lack later €. A forest that is growing can remove -----CO₂ per hectare per year, The air we breathe in major cities like Beijing or Delhi or London is equal to having cigarettes per day. The study of physiology of earth is called System Science Jr. Soils store about -----times as much carbon as does terrestrial vegetation 3x One kilogram of dry wood contains ---- kg of carbon 0.5 2. Expand 5x1=5a. IPCC b. UNFCC c. CER d. CCE who go again mintal likel it de 3. Define 5x1=5Ecology b. Remote sensing C. Oligotrophic lake A. Agroforestry . CDM doe Surlyment rectionists 4. Answer in one or two sentences - What is 3x1 = 3b. Conservation tillage \c. Geological sequestration 5. Answer in two or three sentences - Differentiate between 3x1 = 3M. Elnino and La Nina Jo. Annexe-1 and Annex-2 countries c. Joint implementation and CDM (under Kyotoprotocol)

6. Answer in two or three sentences - with respect to climate change, why

there will be more frequent volcanic eruptions

b Oceans become dark

2x1.5 = 37. Answer in three sentences- what are the ecological impacts of a Sand mining \ b. Urea fertilization 2x1.5=38. Answer in three sentences- brief account on X. Kyoto protocol b. Novacem

Mq0 + (02 -> Mq(0) 2x2 = 49. Answer in three or four sentences-Explain following hypothesis 3. GAIA b. Iron 3x3=910. Answer in three or four sentences - explain A. Climate change effect on plant diversity V. Impact of sea level rise on Sunderban forest c. In what way remote sensing technology is useful in understanding environmental problems 1x2=211. Draw a cartoon / portrait depicting any one environmental problem 12. Write a slogan related to environmental problem / solution 1x1=1(Expect unique and self designed)