

Environmental Science and Technology

(Exam-3)

Time: 60 minutes

Total Marks: 25

1. Fill in the blanks

10x0.5=5

- a. -----projects are not eligible under CDM
- 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.
- c. ----- is the major source of methane emissions
- d. -----stores carbon while protecting water quality
- e. A forest that is growing can remove -----CO₂ per hectare per year,
- f. Soils store about -----times as much carbon as does terrestrial vegetation
- g. One kilogram of dry wood contains ----- kg of carbon
- h. -----% of carbon is found in tundra and boreal forest ecosystems
- i. N₂O has global warming intensity of -----times that of CO₂

2. Expand

5x1=5

- a. IPCC b. UNFCCC c. CER d. CCE e. GWP

3. Differentiate between

2x2=4

- (a) Afforestation and reforestation (b) Annexe-1 and Annex-2 countries

4. What are the effects of (a) Ocean acidification (b) Urea fertilization

2x2.5=5

5. Why agroforestry is an attractive option for carbon mitigation?

3

6. Describe any one international carbon sequestration project?

3

Instructions

1. Write answers on white paper (don't type)
2. After writing scan answer sheet (better if you have doc screener on your mobile)
- 3 Submit either into the moodle portal or send to TA (Pravall mail id) by 12.30 pm. upload / posted after 12.30 pm not considered for evaluation (irrespective of any reason).