

October 21, 2010

CLOSED BOOK

4:15 pm – 5:30 pm

25 Marks

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1. What is the relationship between environmental engineering and sustainable development? (2 marks)
2. Name three activities that impact soil quality (2 marks)
3. Name three activities that impact water quality (2 marks)
4. If the equivalent  $\text{CO}_2$  emissions are reduced from  $1.26 \times 10^5$  tonnes to  $7.6 \times 10^4$  by replacing coal with natural gas, what is the % reduction in emission? (2 marks)
5. What is the difference between primary and secondary air quality? (2 marks)
6. Define acid rain by describing how it is formed (2 marks)
7. What do the following acronyms stand for :  
VOCs, CAA, NAAQS and IPCC (2 marks)