Renewable Energy Professional Exam (Sample Questions)

1. Which of the following has been suggested as an approach to sequestering carbon?
   A. Technological sequestration
   B. Ocean direct injection
   C. Geological storage
   D. All of the Above

2. Hydroelectric is scalable. Which of the following is not a primary component of such systems?
   A. Dam or retention
   B. Tail tube extractors
   C. Intakes
   D. Electrical generation system
   E. Penstock

3. Which of the following lists the actual/correct greenhouse gases that cause global climate change and are typically included in regulatory schemes?
   A. Carbon Dioxide, Methane, Nitrous Oxide, Sulfur Hexaflouride, HFCs, PFCs
   B. Carbon Dioxide, Hydrogen Sulfide, Ammonia
   C. Carbon Monoxide, Hydrogen, Helium, Nitrogen
   D. Lead, Asbestos, Radiation, Inert Gases
   E. Carbon Dioxide, Methane, Nitrous Oxide, Sulfur Hexaflouride, HFCs

4. A 100 KW Solar Electric installation costs $500,000. The Investment Tax Credit is 30%. The energy produced by the system is $20,000 per year. The Simple Payback is 5 years. What is the annual fixed value of the Renewable Energy Credits?
   A. $30,000
   B. $50,000
   C. $75,000
   D. $20,000
   E. None of the above

5. Which of the following is not considered to be a hybrid electrical generation system?
   A. Solar PV system coupled with a WTG
   B. Passive solar heating with rooftop PV and biomass cogen
   C. Wind generator with acid batteries
   D. Geothermal HPs with microhydro
   E. Actually all are hybrid generation systems

Answers: 1(D), 2(B), 3(A), 4(B), 5(C)