## Sample questions for EE4511 quiz

O1. The photographic offect discovered in France in the 10th century. But where were the first
Q1. The photovoltaic effect discovered in France in the 19th century. But where was the first practical silicon solar panel demonstrated?
A.) Bell Labs.
B. Thomas Edison's lab.
C. The Institute for Advanced Study in Princeton
D. Vorov's Pale Alto Possarch Contor in California
Striking Earth
Q2. The world's most abundant energy source is the sunlight continually bathing the Earth.
Just how much solar energy is that?
A. 468 trillion gigawatts
B) 173,000 terawatts
C. 5.592 quadrillion lumens
D. 1388 terawatts
Q3. More energy from the sun strikes the Earth in than all of humanity uses in a
year.
A. One day
B One hour
C. One minute
D. One second
Q4. What form of energy do concentrating solar power technologies use to generate
electricity?
A. Static
B. Kinetic
C Thermal
D. Chemical ~ 400° (
Q5. The heat in a typical concentrating thermal power plant is approximately in the range
of
A. 80-100 °C
B. 150-200 °C
© 400-500 °C
D. 600-700 °C
Q6. The function of the regenerator in a Stirling engine is to:
A. Push the hot piston to left
B Recycle the heat within the engine
C. Absorb heat from the external source
Q7. Where would you expect to find CSP power plants?
A. Sweden
(B) Spain
C. New Zealand
D. Canada
Q8. Among the renewables, what are the top three energy sources, in order?
ot tested. A. Biomass, wind, hydropower
B. Solar, wind, biomass

C. Hydro, wind, solar D. Wind, solar, geothermal