1)
Meets the actual need of people.
Environmetally friendly.

3)
Sources of renewable needs in nepal:
 Wind
 Hydropower
 Solar

4)
Indicators of HDI
 life expectancy
 education
 per capita income

5) Solar insulation value is Wh/m^2/day. For Nepal the yearly average insolation can be taken around 4500 to 5500 Wh/m^2/day.

7) Fill factor will be equal one for ideal solar cell with no losses due to series of shunt resistances, which means practical solar cell will always has a fill factor lower than one.

8)
power of hydropower in watts = P = ndQgh
where, n=efficiency of turbine
d=deisity of water
Q=flow in cubic meters
g=acceleration due to gravity
h=height difference between inlet and outlet

9) Amp Hour or C20 is an indicator of how much energy is stored in a battery. It is the energy a battery can deliver continuously for 20 hours at  $80^{\circ}$ F without falling below 10.5 volts.

10) V2G stands for "vehicle to grid" and is a technology that enables energy to be pushed back to the power grid from the battery of an electric car.