

**Question 22 (3 marks)**

In large scale electricity generation, mechanical energy is converted to electrical energy.

- (a) Explain this conversion process. 1

*a drive source turns the rotor inside a generator.....  
and the armature windings are induced with a voltage  
produced by cutting the magnetic lines of force made by the  
field poles*

- (b) Identify TWO renewable generation technologies that use this process. 2

*Geothermal, hydro generation.....*

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