

Question 22 (3 marks)

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

(a) Explain this conversion process.

1

~~A~~ A turbine is spun with
~~the~~ steam which turns the rotor
~~is~~ that's ~~connected~~ connected to the
generator rotor which produces a EMF

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

2

~~Water~~ water turbine, wind turbine
wave generators