**EN 14 106: SECTION B: BASICS OF MECHANICAL ENGINEERING**

**PART A**

1. **Write different types of Renewable and Non Renewable energy sources.**
2. **Write short notes on Rolling and its industrial applications.**
3. **Explain different types of pumps.**
4. **How turbines are classified?**
5. **Write short notes on ‘Ton of refrigeration’ and ‘COP’.**

**PART B**

1. **Explain Hydroelectric Power production with the help of a neat sketch.**

**OR**

1. **Explain different types of machining operations performed in the production of a metallic machine component.**
2. **Describe the working principle of a 4 Stroke diesel engine with a schematic diagram.**

**OR**

1. **Explain the working of a Vapour Compression refrigeration system.**