1. Define genetic engineering.

2. Describe the role each of the following in genetic engineering:
   a) Restriction enzymes
   b) Electrophoresis
   c) DNA ligase
   d) Reverse transcriptase

3. Explain the importance of gene cloning and polymerase chain reaction in gene technology.

4. State three ways in which genetic engineering is beneficial to human beings.
   i) ..............................................................
   ii) ..................................................................
   iii) ................................................................