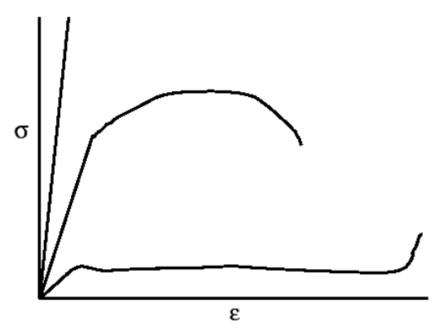


Question 1

Explain the difference in the mechanism of plasticity between a ductile metal and a thermoplastic polymer.

Question 2

The following graph represents the stress-strain curves for different class of materials at room temperature.



- a) If the curve represent stress- strain curve of a metal, ceramic, and polymer, label each curve with the possible material that is most likely represented.
- b) Justify your answer