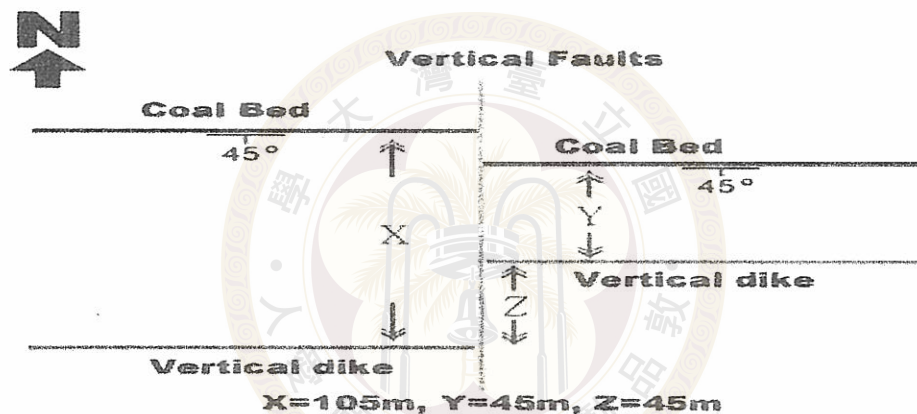


1. 解釋名詞 (25%)：(1) Rheology (2) Plunge (3) Differential stress (4) cataclasis (5) Byerlee's law
2. Please describe in detail Anderson's theory of fault (請詳細說明安得生的斷層理論。)(10%)
3. 計算下圖斷層的淨位移量 (net slip), 水平位移, 垂直位移 並說明此斷層的性質 (何種斷層, 抬升及侵蝕的部位) (15%)



4. Explain and draw the extensional duplex, flat-roofed duplex and strike-slip duplexes. (15 points)
5. Explain the concepts of critical taper theory. (15 points)
6. Explain the pencil cleavage, slaty cleavage, phyllitic cleavage and schistosity. (10 points)
7. Explain the mechanical paradox of fold-thrust belts. (10 points)