

1. Explain the following terms (30 points): (1) strike and dip; (2) Foliation; (3) tectonics; (4) superplastic creep; (5) exhumation, (6) gneissosity
2. Describe the scales of observation (10 points)
3. What is Mohr diagram? When do we use the Mohr diagrams? (15 points)
4. Describe the rheology of lithosphere? (10 points)
5. Explain and figure different types of thrust-related folding. (15 points)
6. Explain and figure arrays of subsidiary structures associated with strike-slip fault zones? (10 points)
7. Characterize the Mw 7.9 Wenchuan earthquake occurred on 12 May 2008 based on the geodynamic framework of Tibetan Plateau (10 points)

試題隨卷繳回