1. Use equations and charts to explain
   (1) vorticity (2) divergence (3) pressure gradient force (4) Jacobian term. 　(20%)

2. Use 300 words to explain hydrostatic balance and gravity wave. 　(20%)

3. Derive shallow water equation. (20%)

4. Explain Reynolds decomposition. How to formulate turbulent flux in terms of viscosity? (20%)

5. Why can airplane, balloon and bird defy gravity pull and stay in air? (20%)

試題隨卷繳回