

Airframe and propulsion - revision

1. Discuss the loads and stresses acting on an aircraft during different portions of flight.
2. Discuss the role of the particular flight control surfaces in the particular portions of the flight.
3. Describe the main parts of the piston engine and their functions.
4. Describe the cycle of operation of the four stroke engine.
5. Discuss the travel of gases through the turbojet.
6. Compare the turbojet, the turboprop and the turbofan engine.
7. Discuss the basic differences in terms of design and application between the ramjet, the scramjet, the pulse jet and the rocket.