

**AE-6501 Flight Dynamics**

**Important 2Mark Questions**

**Unit I**

1. What is parasite drag?
2. Differentiate between thrust and thrust power.
3. Define center of pressure.

**Unit II**

1. Define load factor.
2. What is bank angle?
3. Define Specific fuel consumption.

**Unit III**

1. Distinguish between Stability and Controllability.
2. Indicate the center of gravity of a static flight.
3. Mention the role of flaps during takeoff of an aircraft.

**Unit IV**

1. How to solve the one engine inoperative condition in stability aspect?
2. State the function of a rudder.
3. Define side slip angle.

**Unit V**

1. What are the modes of dynamic stability?
2. What is Dutch roll?
3. Mention the difference between static and dynamic stability.