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(RENEWABLE ENERGY RESOURCES)

- Q1) Write short note on aerodynamics.
- ⇒ Aerodynamic:- As an air craft operates in the air the properties of air that effect aircraft control and performance must be understood.
- Air is a mixture of gases compound principally of nitrogen and oxygen. Since air is a combination of gases, it follows the laws of gas. Air is considered a fluid because it answers the definition of fluid, namely, a substance which may be made to flow or change its shape by the application of moderate pressure. Air has weight, since something lighter than air such as a balloon filled with helium will rise in the air.
- The study of motion of air, particularly as interaction with a solid object, such as an aeroplane wing. It is a subfield of fluid dynamic and gas dynamic and many aspects of dynamics theory are common to these field.