

III B.Tech I Semester Supplementary Examinations, May 2005
FUNDAMENTALS OF AERONAUTICAL ENGINEERING
(Aeronautical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Compare the characteristics of the monoplane and biplanes. Describe the early airplanes.
2. What are the various types of the airborne vehicles. Discuss the scope of functioning of each of them.
3. What types of constructions are most used for fuselage.
4. Describe the construction and working of a turbo prop engine.
5. What is a rocket, what are the various types and applications?
6. How the satellites are put in to the orbit and what are the requirements of the propulsion system used for this.
7. What are the features of a liquid propellant rocket and what are its merits over the solid propellant rocket and show its working.
8. Describe the fuel system for piston engines and turbojet engines.
