

Code: 9A21401

B.Tech II Year II Semester (R09) Supplementary Examinations May/June 2017

INTRODUCTION TO AEROSPACE ENGINEERING

(Aeronautical Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 What are the hot air balloons? How they changed the face of the aeronautical history?
- 2 What are the aerodromes? Describe about the inventor of aerodromes industry.
- 3 Distinguish between rocket engines and jet engines.
- 4 Justify how working concept of turns, cruise, climb with neat sketches.
- 5 What is mean by space mission and space environment?
- 6 Write short notes on:
 - (a) Operational satellite system.
 - (b) Elements of satellite system.
 - (c) Satellite bus subsystems.
- 7
 - (a) Compare manned and unmanned space missions.
 - (b) Write a short note on first manned flight to moon.
- 8 Write the importance of design process, design thinking design drawing and write its advantages.
