1. What are the steps involved in Avionic System Design.
2. What are the disadvantages of MIL-STD-1553 B.
3. What are the typical Avionics sub systems
4. Explain Multifunctional Display
5. Why MIL-STD-1553B is not used in Civil Aircraft
6. Explain briefly LED
7. What are the advantages of HUDs
8. Explain the need of Avionics in Civil and Military Aircraft
9. What is Mach Warning
10. What are the significance of Auto pilot system

PART – B

MODULE -1

11. a) Explain few Integrated Avionics and Weapon Systems
    b) What are the major Design drivers for Avionic System

OR

12. Explain the Design and Technologies involved in Avionic Systems and the standard used for it.
MODULE -2

13. Explain the ARINC-420

OR

14. Discuss the various Avionics Architecture in details

MODULE -3

15. Compare and contrast the display technologies CRT, LED, LCD, EL and Plasma panel

OR

16. a) Describe the layout of a Cockpit
    b) Explain the basic principle of HUD and their limitation

MODULE -4

17. Explain in details any 5 Air data quantities

OR

18. a) Explain the basic principles of Autopilot
    b) Explain Longitudinal and Lateral Autopilot