

Type: DES

- Q1. What are the various types of drags affecting the aircraft? (2)
- Q2. Explain the glass cockpit. What are its characteristics? (3)
- Q3. What are the various issues occur to pitot static system and how to counteract each? (5)
- Q4. Briefly explain the purpose and importance of Flight Management Systems. (2)
- Q5. Give the block diagram and functioning of a typical airborne altimeter RADAR system (3)
- Q6. Explain Ground proximity Warning system in detail with necessary diagram. (5)
- Q7. What dead reckoning navigation technique? (2)
- Q8. Explain the working principle of DGPS with necessary diagrams (3)
- Q9. Explain the working principle of DME with all necessary diagrams. (5)
- Q10. What are the characteristics of of Instrument Landing System? (2)
- Q11. How satellites helps in aircraft landing? Explain. (3)
- Q12. . Explain the working principle of microwave landing system with all necessary diagrams (5)
- Q13. What is the use of ATN System? (2)
- Q14. Explain the word format of MIL-STD1553 (3)
- Q15. Explain ARNIC 429 with necessary diagrams.(5)

