

1. Discuss the sources of noise in aviation. Enumerate the steps for implementing effective noise protection program.
2. Discuss Acceleration overshoot. What are the implications in aviation?
3. Enumerate various parametric tests and non-parametric statistical tests. Briefly describe with examples in scientific research how a researcher will select whether to use a parametric or a non-parametric test.
4. Discuss the aerodynamics of flying a rotary wing aircraft.
5. Discuss the abnormal cardio-vascular responses in change from supine to standing posture.
6. Discuss VA/Q. Discuss its importance in acceleration physiology and breathalyser testing.
7. Discuss the effects of low level high speed flying on visual physiology.
8. Discuss circadian rhythms. Briefly describe the significance of circadian rhythms in aviation.
9. Discuss the principles of crash protection using restraint systems. Elaborate on different types of restraint systems.
10. VEPs.

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