

# Rajiv Gandhi University of Health Sciences

## M.D. Degree Examination - MAY-2019

[Time: 3 Hours]

[Max. Marks: 100]

### Aviation Medicine

#### PAPER - I

#### Q.P. CODE: 9171

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

#### Answer All The Questions

10 X 10 = 100 Marks

1. Discuss physiology of regulation of respiration and effect of various aviation stressors on respiration.
2. Discuss the various aero-engines.
3. Compare cabin pressurization in a fighter aircraft vs commercial airliner.
4. Discuss any two statistical tests used in aviation research.
5. Parachute Opening Shock.
6. Noise is an integral part of an airbase. Discuss the problems related to noise and suggest remedial measures.
7. Pre-flight meals and its importance.
8. Thermal strain indices.
9. EMG.
10. Discuss the effect of impact and crash forces in a commercial aircraft accident.

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