

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - MAY-2019

[Time: 3 Hours]

[Max. Marks: 100]

Aviation Medicine

PAPER - II

Q.P. CODE: 9172

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 differential diffusion perfusion deficit theory in the context of neurophysiological events of G induced loss of consciousness (GLOC).
2. A fighter Squadron is getting deployed in a desert terrain in the month of Jun. How will you aeromedically assess the environment in recommending fighter flying.
3. Discuss the physiology of hypoxia syncope.
4. Enumerate methods of microgravity simulation. Discuss one of them in detail.
5. Type II decompression sickness.
6. HBOT in carbon monoxide poisoning.
7. Discuss the protective measure available to an aircrew flying a fighter aircraft at 40,000 feet.
8. Discuss G level time tolerance curve and its modification under the effects of AGSM.
9. Discuss the pharmacological options for rapid acclimatization to high altitude.
10. Discuss the aeromedical issues of women in fighter flying.
