

# Aerospace Medicine Quiz

1. The first patent for an ejection system using compressed air was done in 1916. Name the inventor?
  - (a) Everard Calthrop, a British Railway Engineer
  - (b) Anastase Dragomir, a Romanian Inventor
  - (c) Helmut Schenk, a German Test Pilot
  - (d) Bengt Johansson, a Swedish Military Pilot
2. The first aircraft to be fitted with a rocket-propelled seat was:-
  - (a) F-106 Delta Dart
  - (b) Gloster Meteor Mk III
  - (c) Lockheed M-21
  - (d) F-102 Delta Dagger
3. Von Karman line is at an altitude of:
  - (a) 40 km
  - (b) 50 km
  - (c) 70 km
  - (d) 80 km
4. Fumigation of aircraft is done by using which of the following disinfectant?
  - (a) Methyl bromide
  - (b) Picrin
  - (c) Formaldehyd
  - (d) Chlorine
5. The commonest ejection related injury is known to occur during this phase of ejection:-
  - (a) Egress
  - (b) Windblast
  - (c) Parachute opening
  - (d) Landing
6. The first airport to introduce Air Traffic Control:
  - (a) Hamburg, Germany
  - (b) College Park, USA
  - (c) Croydon, London
  - (d) Breman, Germany
7. The commonest cause of unsuccessful ejection is:-
  - (a) Ejection at low altitude while at high speed
  - (b) Delay in decision to eject
  - (c) Failure of ejection system
  - (d) None of the above
8. What is the percentage of Oxygen in the atmosphere at 33,000 ft?
  - (a) 21%
  - (b) 18%
  - (c) 14%
  - (d) 11%
9. Radiation from Sun reaches the earth within:
  - (a) 30 min
  - (b) 22 min
  - (c) 13 min
  - (d) 8 min

10. Drop-down mask in commercial aircraft for passengers are automatically released when cabin altitude is between:
- (a) 5,000 - 9,000 ft
  - (b) 10,000 - 14,000 ft
  - (c) 15,000 - 19,000 ft
  - (d) 20,000 ft or more
11. Ozonosphere lies in which layer of the atmosphere?
- (a) Thermosphere
  - (b) Stratosphere
  - (c) Troposphere
  - (d) Ionosphere
12. Longest Space mission by a women?
- (a) Christina Koch
  - (b) Valentine Tereshkova
  - (c) Judith Resnik
  - (d) Sunita Williams
13. If the symptoms of numbness, tingling, muscle in-coordination, giddiness or fainting spell persists in flight despite of starting 100% oxygen, this is due to:-
- (a) Hypoxia
  - (b) Hyperventilation
  - (c) Positive pressure breathing
  - (d) Psychological effects
14. Casualty carrying capacity of Mi-26 Helicopter is: -
- (a) 23 sitting or 12 lying
  - (b) 15 sitting or 06 lying
  - (c) 50 sitting or 24 lying
  - (d) 82 sitting or 60 lying
15. Regarding food prepared for aircraft meals, true is: -
- (a) Only samples of prepared meals are subjected to quality control
  - (b) Cold meals should be stored below 40 C and Hot meals above 750C
  - (c) Cold meals should be stored below 100 C and Hot meals above 630C
  - (d) None of the above



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**Answers for Space Medicine Quiz**

Ans.: 1. (a), 2. (d), 3. (d), 4. (a), 5. (a), 6. (c), 7. (b), 8. (a), 9. (d), 10. (b), 11. (b), 12. (a), 13. (c), 14. (d), 15. (c)