

Aviation Quiz

- Q.no. 01: Time of useful consciousness (TUC) is
- Occurrence of hypoxic insult on exposure to altitude
 - Time available to recognize the development of hypoxia and to take timely corrective actions
 - Time from commencement of flight until hypoxic effects compromise a pilot's performance
 - Several minutes of available emergency oxygen supply to prevent hypoxia
- Q.no. 02: Military aircraft are equipped with this type of pressurization system
- Isobaric system
 - Isobaric differential system
 - Both of the above
 - None of the above
- Q.no. 03: In commercial aircraft, cabin pressure is maintained at
- Mean Sea Level {MSL}
 - Below 5000 feet
 - Between 6000 to 8000 feet
 - Above 8000 feet
- Q.no. 04: Smoking makes an individual more liable to suffer from hypoxia due to
- False statement: Smoking does not make anyone susceptible to hypoxia
 - Binding of hemoglobin with the carbon monoxide present in the smoke
 - Effect of nicotine on the nervous system
 - Smoking affects only those with weak lungs
- Q.no. 05: The latitude of earth at which International Civil Aviation Organization standard atmosphere is described is
- Equator
 - 23.5 degrees North
 - 45 degrees North
 - 45 degrees South
- Q.no. 06: *In vivo* marker of active oxygen products with Hyperbaric Oxygen Therapy (HBOT) is
- Increased urine creatinine
 - Increased serum acetylamine
 - Increased urine methyl guanidine
 - Decreased serum creatinine
- Q.no. 07: Hazard Analysis and Critical Control Point was originally designed by
- FAA
 - RFSA
 - NASA
 - FDA
- Q.no. 08: Pilots give what name to Universal Time Coordinated (UTC)
- GMT
 - Zero hour
 - Zulu time
 - Prime time

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Q.no. 09: The angle of attack at which an airplane wing stalls will

- a) Change with an increase in gross weight
- b) Remain the same regardless of gross weight
- c) Increase if the Centre of Gravity is moved forward
- d) None of the above

Q.no. 10: "Chibis" Suit is a

- a) Launch and Re-entry Suit
- b) Cooling Garment
- c) Lower Body Negative Pressure Suit
- d) Extra Vehicular Activity Suit

Q.no. 11: What is the percentage of oxygen in the atmosphere at 33,000 ft

- a) 21%
- b) 25%
- c) 30%
- d) 35%

Q.no. 12: How many revolutions does the International Space Station make around the Earth in a day

- a) 12
- b) 14
- c) 16
- d) 18

Q.no. 13: In the Apollo 11 mission, what was the name of Command Module

- a) Eagle
- b) Columbia
- c) Challenger
- d) Endeavour

Q.no. 14: You are hiking with a friend and reach an elevation of 10,000 feet. You pitch your tents and go to sleep. In the morning, your friend reports a headache, then begins complaining of difficulty breathing, even at rest. What would be the best action to take for your friend

- a) Give your friend some coffee, as he is most likely experiencing a caffeine headache
- b) As quickly as possible, descend to a lower elevation with your friend
- c) Advise your friend to relax, as he is most likely stressed out from spending a night on a mountainside
- d) As quickly as possible, climb higher, as the air at higher elevations contains more oxygen

Q.no. 15: Which of the following aircraft disinfecting agents is biologically effective and safe for passengers

- a) Dichlorodiphenyltrichloroethane-10%
- b) Benzene Hexachloride-5%
- c) Resmethrin-2%
- d) Baygon-20%

Q.no. 16: The first physician to go into space was

- a) Yuri Gagarin
- b) Yegorov
- c) Armstrong
- d) Kerwin

Q.no. 17: North Atlantic Treaty Organization reporting name of Mikoyan MiG 29

- a) Frogfoot
- b) Fulcrum
- c) Fullback
- d) Fritz

Q.no. 18: Aircraft carrier Known as “Grand Old Lady”

- a) INS Vikrant
- b) INS Vikramaditya
- c) INS Asvini
- d) INS Viraat

Q.no. 19: The first indigenous fighter aircraft of India designed and built by Hindustan Aeronautics Limited

- a) HF 25 MKI
- b) HT 2
- c) HT 3 MKI
- d) HF 24

Q.no. 20: The blade twist in the propeller helps

- a) Even out the thrust along the length of the blade
- b) Reduce noise levels
- c) Make propelling easier
- d) Increase the friction between the blades

Q.no. 21: The vertical flight of a helicopter is controlled by

- a) Increasing or decreasing the RPM of the main rotor
- b) Cyclic pitch changes
- c) Collective pitch changes
- d) Any of the above

Q.no. 22: Chicken gun refers to

- a) Emergency landing due to a flock of birds
- b) Shooting bird carcasses to airplane engines
- c) A bird dies in airplane engine
- d) Weapon systems in aircrafts

Q.no. 23: Airborne Rescue Pod for Isolated Transportation by Indian Air Force is a system for

- a) Transportation of injured soldiers in field
- b) Rescue system for people affected by flood
- c) Transportation of COVID patients
- d) Search & rescue in aircraft accidents

Q.no. 24: Name given to specially designed aircraft used by US President.

- a) Air force America
- b) Air force Omega
- c) Air force Elect
- d) Air force One

Q.no. 25: A common cause of foodborne illness inflight is due to

- a) Delay in serving meals
- b) Infected food handler
- c) Improper holding temperatures
- d) Both (b) and (c)

Q.no. 26: Full form of MARS in aviation

- a) Maintenance and Repair System
- b) Mild Air Refueling System
- c) Main Aviation Resource System
- d) Main Rotor Restart System

Q.no. 27: First IAF Helicopter formation display team

- a) Sarang
- b) Suvarna
- c) Suryakiran
- d) Dhruv

Q.no. 28: The first aircraft to be fitted with a rocket-propelled seat was

- a) F-16 Delta Dart
- b) Gloster Meteor MK III
- c) Lockheed M-21
- d) F-102 Delta Dagger

Q.no. 29: What happens to the central venous pressure immediately on entering microgravity

- a) Increase
- b) Decrease
- c) Remains same
- d) None of the above

Q.no. 30: Who was the first woman in space

- a) Svetlana Savitskaya
- b) Valentina Tereshkova
- c) Sally ride
- d) Mae Jemison



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Answers to the Aviation Quiz

Solutions: 1 (b), 2 (b), 3 (c), 4 (b), 5 (c), 6 (c), 7 (c), 8 (c), 9 (b), 10 (c), 11 (a), 12 (c), 13 (b), 14 (b), 15 (c), 16 (b), 17 (b), 18 (d), 19 (d), 20 (a), 21 (c), 22 (b), 23 (c), 24 (d), 25 (d), 26 (b), 27 (a), 28 (d), 29 (b), 30 (b).