

Aerospace Medicine Quiz

1. A common cause of foodborne illness inflight is due to:
 - (a) Delays in serving meals
 - (b) Infected food handler
 - (c) Improper holding temperatures
 - (d) Both (b) and (c)
2. Which of the following is/ are windscreen optical effect(s)?
 - (a) Displacement
 - (b) Deviation
 - (c) Distortion
 - (d) All of the above
3. A smooth, rounded, soft-tissue density demonstrated radiographically in frontal sinus in which pain was experienced during descent in an aircraft is most likely:
 - (a) Mucocele
 - (b) Submucosal hematoma
 - (c) Polyp
 - (d) Pneumatocele
4. The following statements concerning the use of Positive Pressure Breathing (PPB) for G-protection (PBG) are true EXCEPT:
 - (a) PBG can aggravate arm pain in some seat configurations.
 - (b) PBG can approximately double the duration of G-exposure that a pilot can tolerate.
 - (c) PBG is effective in preventing G-LOC when used without anti-G trousers.
 - (d) Chest counterpressure increases pilot comfort and allows for the use of higher levels of PPB.
5. In-vivo marker of active oxygen products with Hyperbaric Oxygen Therapy (HBOT) is:
 - (a) Increased urine Creatinine
 - (b) Increased serum Acetylamine
 - (c) Increased urine Methyl Guanidine
 - (d) Decreased serum Creatinine
6. The latitude of earth at which ICAO standard atmosphere is described is:
 - (a) Equator
 - (b) 23.5 degrees North
 - (c) 45 degrees North
 - (d) 45 degrees South
7. Which of the following statements regarding stereopsis in aviation is true?
 - (a) Stereopsis requires good visual acuity in both eyes (with or without correction).
 - (b) Stereopsis depends upon relatively equal refractive error in both eyes (i.e., no evidence of anisometropia).
 - (c) Impaired conjugate ocular motility, especially heterotropias, may significantly impact stereopsis.
 - (d) Central brain fusion of the disparate images from both eyes is required for normal stereopsis.
 - (e) All of the above.
8. Cabin air is exchanged every:
 - (a) 1-2 mins
 - (b) 3-4 mins
 - (c) 30s – 1 min
 - (d) 5 mins

9. HACCP was originally designed by:
- FAA
 - RFSA
 - NASA
 - FDA
10. 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?
- Give your friend some coffee, as he is most likely experiencing a caffeine headache.
 - As quickly as possible, descend to a lower elevation with your friend.
 - Advise your friend to relax, as he is most likely stressed out from spending a night on a mountainside.
 - As quickly as possible, climb higher, as the air at higher elevations contains more oxygen.
11. Pilots give what name to Universal Time Coordinated (UTC)?
- GMT
 - Zero hour
 - Zulu time
 - Prime time
12. The angle of attack at which an airplane wing stalls will:
- Change with an increase in gross weight
 - Remain the same regardless of gross weight
 - Increase if the CG is moved forward
 - None of the above
13. 'Chibis' Suit is a:
- Launch & Re-entry Suit
 - Cooling Garment
 - LBNP Suit
 - EVA Suit
14. Which of the following aircraft disinfecting agents is biologically effective and safe for passengers:
- DDT-10%
 - BHC - 5%
 - Resmethrin - 2%
 - Baygon - 20%
15. The first physician to go into space was:
- Yuri Gagarin
 - Yegorov
 - Armstrong
 - Kerwin



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Answers for Aerospace Medicine Quiz

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