Aerospace Medicine Quiz

1. V/Q ratio in 1G atmosphere _________ from apex to base.
   a) Increases  b) increases and decreases
   c) decreases  d) none of the above

2. Venous gas emboli is a manifestation of
   a) Heat intolerance  b) HBOT
   c) DCS  d) CO Poisoning

3. Anti- G valve in UK schedule supplies a pressure of
   a) 1 psi/G  b) 1.25 psi/G
   c) 1.5 psi/G  d) 2 psi/G

4. Wayne state tolerance curve (WSTC) is associated with
   a) Head injury  b) Gz acceleration
   c) Push pull manoeuvre  d) Air frame agility

5. Concept of Bellows effect is for
   a) Double layered visor  b) Visual display
   c) Microclimate clothing  d) Pressure suit

6. Sleep cycle repeats itself in
   a) 60 min  b) 90 min
   c) 120 min  d) 150 min

7. Yerkes Dodson law give relation between
   a) Altitude & oxygen  b) performance and arousal
   c) frequency & amplitude  d) distance & accommodation

8. Pilot after blood donation can resume flying duties within
   a) 12 h  b) 24 h
   c) 48 h  d) 1 week

9. In BPPV, pathology lies in which SCC
   a) Horizontal  b) Anterior
   c) Posterior  d) Any of the above

10. The accepted chemoprophylaxis for malaria in Aviators is
    a) Chloroquine & Proguanil  b) Mefloquine
    c) Doxycycline & Chloroquine  d) Atovaquone & Proguanil

11. Stereopsis can provide accommodation up to
    a) 50 m  b) 100 m
    c) 200 m  d) 400 m

12. Field of vision of NVG is ———— degrees
    a) 30  b) 40
    c) 50  d) 60
13. An ideal mask should not weigh more than
   a) 175 g  
   b) 275 g  
   c) 375 g  
   d) 475 g

14. In helmet retention test, wind velocity is kept at
   a) 320 knots  
   b) 420 knots  
   c) 520 knots  
   d) 620 knots

15. Malcolm and Money are associated with
   a) Fascination  
   b) Giant hand  
   c) Somatogyral illusion  
   d) Somatogravic illusion

16. Lithium is primarily an
   a) Anxiolytic  
   b) Mood stabilizer  
   c) Anti-depressant  
   d) Cerebral stimulant

17. False negative Rinne’s test can occur in
   a) Mild SNHL  
   b) conductive hearing loss  
   c) mixed hearing loss  
   d) Severe SNHL

18. Following anti-hypertensives are permitted for flying duties except
   a) Atenolol  
   b) Enalapril  
   c) Amlodipine  
   d) Diltiazem

19. In a standard 12 lead ECG, identification of narrow QRS complex is
   a) < 2 squares  
   b) < 3 squares  
   c) < 4 squares  
   d) < 1 square

20. CAGE questionnaire relates to
   a) Drug abuse  
   b) Personality test  
   c) cognitive task performance  
   d) Alcohol dependence

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Answers keys:

Answer to this quiz is on page 57