Aviation Medicine Quiz

1. Teed’s Classification of Barotrauma is for grading of injury to:
   a) Sinuses   b) Eustachian Tube   c) Tympanic Membrane   d) Lungs

2. Scoliosis of more than ________ degrees by Cobb’s method is a cause for disqualification:
   a) 21º   b) 40º   c) 15º   d) 17º

3. In Snellen’s standard test chart for distant vision the minimum illumination level should be:
   a) 10 ft candles   b) 50 ft candles   c) 75 ft candles   d) 100 ft candles

4. The escape system of the Gemini Spacecraft was:
   a) Capsule Ejection   b) Open Ejection   c) Semi Closed Ejection   d) None of the above

5. The permissible limit of radiation exposure for the Astronauts is:
   a) 1 Rem   b) 5 Rem   c) 10 Rem   d) 15 Rem

6. For uncomplicated fibroadenosis in a lady flyer, maximum category which can be awarded is:
   a) A1G1   b) A2G2   c) A3G2   d) A4G4

7. The following helicopter is provided with ejection seat:
   a) Ka-31   b) Ka-50   c) ALH Dhruv   d) Sea King

8. USN Diving Table 8 uses pressures up to:
   a) 8fsw   b) 33fsw   c) 66fsw   d) 165fsw

9. According to the FAA Class II Certificate holds good for:
   a) Six mths   b) Nine mths   c) Twelve mths   d) Twenty four mths

10. Sqn Ldr Rakesh Sharma was the First Indian and the ________ human to go to space:
    a) 75th   b) 93rd   c) 138th   d) 170th

11. Acclimatization to altitude is not possible above:
    a) 1600 ft   b) 18000 ft   c) 22000 ft   d) 25000 ft

12. ICAO came into being in:
    a) 1942   b) 1947   c) 1949   d) 1952

13. Aircraft Incident Accident Reporting in the IAF is carried out in accordance to:
    a) AFO 935/76   b) 03/86   c) 07/93   d) none of the above

14. Reagent used in the spectrophotometric estimation of CO in the human body during autopsy following fatal aircraft accident is:
    a) Picric Acid   b) Ammonium Hydroxide   c) Copper Sulphate   d) all of the above
15. One of the following can act as a protective agent against oxygen toxicity:
   a) Allopurinol  b) Ammonia  c) Ephedrine  d) Insulin

16. The affinity of cytochrome oxidase to CO is ______ times more than to oxygen:
   a) 20  b) 9  c) 90  d) 200

17. A course for Indian Air Forces Medical Officers on medical aspects of Flying was started at Air Force Palam in the year:
   a) 1950  b) 1966  c) 1949  d) 1965

18. The first woman in the world to earn a pilots licence was:
   a) Amelia Earhart  b) Elise de Laroche  c) Pauline Grower  d) Amy John

19. At times decreased cognitive ability occurs in a “Glass Cockpit” due to…..
   a) Dehumanization due to automation  b) Reduced performance due to low levels of arousal
   c) No “Joy” of flying  d) All of the above

20. Best visual acuity possible in aircraft with NVG is:
   a) 6/6  b) 6/60  c) 6/12  d) 6/40

21. Concorde could fly at a max altitude of:
   a) 80,000 ft  b) 70,000 ft  c) 65,000 ft  d) 45,000 ft

22. Operational definition of Spatial Disorientation was given by:
   a) Benson  b) Schroder  c) Gabriel  d) Gillingham

23. Maximum dose of the Anti hypertensive Amlodipine which is compatible with flying in the IAF is:
   a) 10 mg  b) 15 mg  c) 20 mg  d) 50 mg

24. OMNI-4 Near Infrared Spectrophotometry uses lasers emitting light of wave lengths of except:
   a) 610 nm  b) 775 nm  c) 870 nm  d) 910 nm

25. CO poisoning falls under the category of:
   a) Hypoxic Hypoxia  b) Anaemic Hypoxia  c) Stagnant Hypoxia  d) Histotoxic

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