1. The following drugs cause long lasting or permanent impairment in colour vision, except –
   (a) Ethambutol  (b) Hydroxychloroquin
   (c) Digitalis  (d) Sildenafil

2. The internationally agreed, standard method for evaluation colour vision is –
   (a) Japanese SPP plates  (b) Martin Lantren test
   (c) Fransworth D-15 test  (d) None

3. The following drugs are permitted for a commercial pilot with HIV, except –
   (a) Didanosine  (b) Lamivudine
   (c) Nelfinavir  (d) Indinavir

4. The flexibility clause is –
   (a) Annex 1, 1.2.4.9  (b) Annex 6, 1.2.4.9
   (c) Annex 1, 1.2.4.6  (d) Annex 1, 1.2.4.2

5. One of the disadvantages of the valsalva manouever is -
   (a) Damage to the vocal cord  (b) Damage to the tympanic membrane
   (c) Damage to the eustachian tube  (d) Inner ear trauma

6. The following statement is true –
   (a) Commercial flying allows use of intraocular lens
   (b) In IAF, IOL is allowed for Helicopter and transport pilots only
   (c) Multifocal IOL are not allowed in IAF
   (d) All the above

7. Highest frequency used in bone conduction is – (Hz)
   (a) 12000  (b) 6000
   (c) 4000  (d) 2000

8. The DARIN III upgrade of Jaguar aircraft is -
   (a) A type of Inertial navigation system  (b) A type of auto pilot
   (c) A weapon system controller  (d) A system capable of providing protection from NBC

9. The first Indian to get a commercial pilot license in 1929 is –
   (a) JRD Tata  (b) J Nehru
   (c) Aditya Birla  (d) Rudyard Kipling

10. Lower level of Hb in females is due to –
    (a) Menstruation  (b) Presence of oestrogen
    (c) Presence of testosterone in males  (d) All the above

11. On autopsy, a 50 year old chronic smoker was found to have stratified squamous epithelium in areas of his trachea and bronchi. What is the pathologic process that this can be attributed to:
    (a) physiologic hyperplasia  (b) pathologic hyperplasia
    (c) metaplasia  (d) dysplasia
12. What is the first significant response of the human body to whole body heat stress?
   (a) increased cardiac output  (b) decreased cardiac output
   (c) increased evaporation of sweat  (d) cutaneous vasodilation

13. An increase in which of the following best explains the mechanism by which the cardiac output increases in severe anemia?
   (a) Arteriolar diameter  (b) Blood viscosity
   (c) Splanchnic blood flow  (d) Tissue oxygen tension

14. A boy who has always had pent-up hostile impulses becomes a famous surgeon.
   This is an example of
   (a) Sublimation  (b) Projection
   (c) Rationalization  (d) Regression

15. The three phases of gastric secretion are
   (a) First second and third  (b) Cephalic, gastric and intestinal
   (c) Ptyalin, gastrin-secretin  (d) Gastric, intestinal, colonic

16. Under most circumstances the following metal is prohibited to be carried on flight –
   (a) Iron  (b) Mercury
   (c) Copper  (d) Gallium

17. The windows in an air traffic control room are tilted at an angle of 15° from vertical, so as to –
   (a) Prevent reflections from inside  (b) Prevent reflections from outside
   (c) To have 360° of vision  (d) Both a & b

18. Long distance swimmers have a high rate of metabolic heat production. This would mean that they will have a –
   (a) Thick layer of subcutaneous fat  (b) Thin layer of subcutaneous fat
   (c) Bulky muscle mass  (d) Both a & c

19. The following drugs are permitted by ICAO except –
   (a) Clopidogrel  (b) Aspirin
   (c) Flecainide  (d) Digoxin

20. A pulmonary hypertension with systolic pressure of >30 mmHg will –
   (a) Can be given restricted certification  (b) Unrestricted certification
   (c) Unfit  (d) Fit for hobby flying only

21. Diffusion limitation of lung at sea level is –
   (a) 20 ml/min/mmHg  (b) 40 ml/min/mmHg
   (c) 60 ml/min/mmHg  (d) 80 ml/min/mmHg

22. The following are the different types of validity, except –
   (a) Concurrent  (b) Phase
   (c) Predictive  (d) Test-Retest
23. Father of sleep science is –
   (a) Dr Hans Berger  (b) Dr Nathaniel Kleitman
   (c) Dr John Caldwell  (d) Dr Roskind

24. The of the critical value of PO2 necessary at the level of mitochondria is –
   (a) 3-5 mmHg  (b) 0.5-3 mmHg
   (c) 5-10 mmHg  (d) None of the

25. The waiver clause for thigh length is
   (a) 2.5 cm  (b) 5 cm
   (c) 7.5 cm  (d) Clause exists only for standing height

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