Quiz : Aviation Psychology

Dear Reader

In this issue we bring you questions from the twilight zone of Aviation Psychology. Go through the questions, select the most appropriate response. The correct answers are provided on page number .......

1. Under stressful situation, as explained by Yerkes - Dodson Law, the Extroverts are
   a. Better than Introvert because of low arousal level
   b. Better than Introvert because of high arousal level
   c. Worse than Introvert because of low arousal level
   d. Worse than Introvert because of high arousal level

2. Social psychology in aviation refers to
   a. Crew Resource Management
   b. Cockpit Resource Management
   c. Cabin Resource Management

3. PABT (Pilot Aptitude Battery Test) consists of
   a. INS-B (Instrument Comprehension Battery)
   b. CVT (Control Velocity Test)
   c. SRT (Situation Reaction Test)
   d. SMA (Sensory Motor Apparatus)

4. Which of the following tests reveal the ‘personality’ of an Aviator?
   a. MMPI
   b. WAT
   c. SRT
   d. 16 PF
   e. All

5. Which of the following areas are not addressed during CRM training?
   a. Group Discussion
   b. Problem solving and Decision making
   c. Leadership and Managerial quality
   d. Situation Awareness training
   e. Stress management

6. Psychological tests carried out during selection of candidate for flying branch assess which one of
   the following quality?
   a. Psychomotor abilities
   b. Adaptability under aviation stress
   c. Suitability as a commissioned officer
   d. ‘Hardiness’
7. Any of the following can be a presenting features of fear of flying (FOF), except
   a. Continuous headache during a sortie
   b. Suicidal ideas
   c. ‘Brink of Success’ pattern
   d. Frequent reporting of unserviceability of aircraft

8. One of the Scales used for personality assessment in EPI (Eyesenck’s Personality inventory)
   a. Anxiety
   b. Vigilance
   c. Social boldness
   d. Extroversion-Introversion

9. In cognitive psychology ‘Attention’ is a function of
   a. Sensory memory store
   b. Information processing
   c. Sensory receptor threshold potential
   d. Working memory

10. Loss of Situational Awareness (LSA) is different from spatial disorientation, in LSA
    a. Information Processing is within physiological capacity
    b. Errors are purely of human factor origin
    c. Decision making takes place under stress beyond human coping capacity
    d. Peripheral sensory receptors fail due to physiological limitations.

11. All of the followings are the sleep induced physiological functions, except
    a. Restorative and growth inducing property
    b. Tissue repair during slow wave sleep
    c. Memory storage and organization
    d. Immune system modulation
    e. All are true

12. At times decreased cognitive ability occurs in a “Glass cockpit” due to.....
    a. Dehumanization due to Automation
    b. Reduced performance due to low level of arousal
    c. No “Joy” of flying
    d. All of the above

13. The commonly used method of Behavioral therapy to eliminate Fear of Flying is
    a. Flooding
    b. Systematic Desensitization
    c. Bio-feedback mechanism
    d. Yoga

14. Sleep deprivation and sleep loss are often associated with poor flying performance, it is due to
    a. Vigilance and calculative task are seriously impaired
    b. Mood Swings
    c. Poor cognitive functioning
    d. All of the above
15. According to Maslow’s personality theory, the highest need in the hierarchy is
   a. Love need
   b. Safety need
   c. Biological need
   d. Self-actualization

16. All of the followings are described as ‘hazardous attitudes’ in a pilot, except
   a. Anti authority
   b. Macho
   c. Aggression
   d. Impulsivity
   e. Resignation

17. In the case of Head injury, serial neuro-psychological testing reveals that most of the recovery can occur within a period of
   a. 3 year
   b. 2 year
   c. 6 months
   d. Never comes back to normal

18. Of the Errors identified due to LSA, the most of them are
   a. Failure to project the situation into future
   b. Failure to comprehend the situation
   c. Failure to correctly perceive the situation
   d. Failure to take appropriate decision at the right time

19. The application of “Pilot Personality” in Aviation are all, except
   a. CRM
   b. Training
   c. Flight Safety
   d. Hypoxia Tolerance

20. Some cases of LBA with normal radiological anatomy, often suffer due to
   a. Somatisation
   b. Fear of flying
   c. PTSD
   d. PIVD

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