

Aviation Quiz

1. In motion sickness desensitization therapy what does Coriolis time interval mean?
 - a) Time period from start of motion in disorientation simulator (DISO) till no further motion is sensed
 - b) Time period from stopping of motion in DISO till no further motion is sensed
 - c) Time period from making a head movement in DISO to time when the movement is sensed
 - d) Time period from making a head movement till no further motion is sensed
2. Who is known as the father of Indian Civil Aviation?
 - a) Ratanji Dadabhoy Tata
 - b) Jehangir Ratanji Tata
 - c) Jamshedji Tata
 - d) Dorabji Tata
3. One of the first female fighter pilots in Indian Airforce.
 - a) Avani Chaturvedi
 - b) Sarla Thakral
 - c) Durga Banerjee
 - d) Mawya Sudan
4. Identify the Aircraft from the image given below



- a) Tejas Mark (MK)-1
 - b) Mirage 2000
 - c) Dassault Rafale
 - d) Su-30 modernized commercial Indian
5. Choose the correct barometric pressure at 1 atmospheric absolute (Standard atmosphere)?
 - a) 101325 Pa, 1.01325 bar, 1.033 kgf/cm², 760 mmhg, 14.69 Psi
 - b) 105000 Pa, 10.1325 bar, 10.33 Kgf/cm², 760 mmhg, 15 Psi
 - c) 1013.25 Pa, 1.01325 bar, 103.3 Kgf/cm², 760 mmhg, 4.3 Psi
 - d) 101.325 Pa, 6894.757 bar, 0.133 kgf/cm², 760 mmhg, 25 Psi.
 6. During hyperbaric oxygen therapy, the content of oxygen dissolved in plasma (mL/dL) at 2.5 is and it is achieved at what feet below sea level?
 - a) 5.62 (mL/dL), 25 feet below sea level
 - b) 6.80 (mL/dL), 50 feet below sea level
 - c) 6.80 (mL/dL), 25 feet below sea level

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- d) 5.62 (mL/dL), 50 feet below sea level
7. During positive pressure breathing when does the inspiration become completely passive and expiration becomes completely active?
- 10 mmhg
 - 20 mmhg
 - 30 mmhg
 - 40 mmhg
8. Women with most duration of extra vehicular activity?
- Sunita Williams
 - Peggy Whitson
 - Christina Koch
 - Jessica Meir
9. The designated launch vehicle for India's first space mission "Gaganyaan" is?
- Polar Satellite Launch Vehicle MK-III
 - Small Satellite Launch Vehicle MK-III
 - Geosynchronous Satellite Launch Vehicle MK-III
 - Augmented Satellite Launch Vehicle MK-III
10. What is High Flow Ready Pressure in context to anti-G suits and how much is the HFRP.
- High flow regulated pressure and it is 2 Psi.
 - High flow ready pressure and it is 2 Psi
 - High flow rapid pressure and it is 2 Psi
 - High flow ready pressure and it is 0.2 Psi
11. What is "Bench test"?
- Operating test carried out on an engine to check for its functioning.
 - Environment used to verify the correctness of a design or model
 - Tests time required for pressurizing the abdominal bladder of anti-G suit.
 - Setting a benchmark in the designing
12. The correct order of parts of Night Vision Googles from object to eye is?
- Objective lens, Photocathode, Micro Channel Plate, Phosphor screen, Eyepiece
 - Objective lens, MCP, Photocathode, Phosphor scree, Eyepiece
 - Objective Lens, Phosphor screen, MCP, Photocathode, Eyepiece
 - Objective Lens, Photocathode, Phosphor screen, MCP, Eyepiece
13. The primary anthropometric parameters for evaluation of cadets in Indian Air Force?
- Thigh Length, Arm Length, Height, Weight, Leg Length
 - Head Circumference, Palm Length, bi bregmatic length, Height, Weight
 - Thigh Length, Leg Length, Standing Height, Weight, Sitting Height
 - Functional arm reach, Height, Weight, Sitting Height
14. What is Grade II glycemic control as per Indian Airforce Publication 4303 5th edition?
- Fasting ≤ 110 mg/dL, 2 h Post Prandial (PP) ≤ 140 mg/dL, hemoglobin A1C (HbA1c) $< 7\%$.
 - Fasting < 126 mg/dL, 2 h PP < 180 mg/dL, HbA1c $< 7\%$.
 - Fasting < 140 mg/dL, 2 h PP < 200 mg/dL, HbA1c $< 7\%$.
 - Fasting ≥ 110 mg/dL, 2 h PP ≥ 140 mg/dL, HbA1c $< 7\%$.
15. Conditions unfit for flying duties in cadets are all except
- Beta Thalassemia
 - Myopia
 - Spina bifida with complete Sacralization.
 - Color perception – II
 - Bilateral complete sacralization

16. Absolute indication for head up tilt test?
- a) Investigation of a case of giddiness
 - b) Evaluate a case of syncope
 - c) Evaluation of a case of low G-tolerance
 - d) To decrease the anxiety associated with syncope
 - e) Single episode of syncope in high-risk occupation



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Answers to Aviation Quiz

Solutions: 1(d), 2(b), 3(a), 4(c), 5(a), 6(d), 7(a), 8(b), 9(c), 10(d), 11(c), 12(a), 13(c), 14(b), 15(c), 16(e)