**PHYSICS OF THE ATMOSPHERE**

**SUB MOD 01**

Q1. At higher altitudes as altitude increases, pressure.

A. increases at constant rate.

**B. decreases exponentially.**

C. increases exponentially.

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Q2. The millibar is a unit of.

A. atmospheric temperature.

B. pressure altitude.

**C. barometric pressure.**

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Q3. Temp at sea level.

**A. 288 K**

B. 273 K

C. 173 k

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Q4. --------- does not depends on density

**A. Rocket**

B. Kite

C. NOTA

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Q5. What is Density

**A. Mass / Volume**

B. Mass / Pressure

C. Both

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Q6. Density of air at sea level

**A. 1.23kg/m3**

B. 1.23psi

C. 288k

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Q7. What is ISA

A. Civil Aviation Organisation

**B. International Standard Atmosphere.**

C. All

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Q8. Density Varies Direct proportion with

A. temperature

**B. Pressure.**

C. both a and b

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Q9. Density varies inversely with the

A. pressure

**B. temperature.**

C. All.

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Q10. What is Temp at sea level?

**A.15 degree C**

B. 15 degree F

C. NOTA

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Q11. What is atmospheric pressure at sea level?

A.1013.2mb

B.1023.2hpa

**C. Both A & B**

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Q12. -----------the amount of water vapour in the air.

A. density

B**. humidity**

C. pressure

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Q13. Force (F) Area (A) Pressure (P) then F=

**A. F = AP**

B. F = A/P.

C. both a & b

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Q14. Barometer indicates.

**A. pressure.**

B. density.

C. temperature.

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Q15. Which condition is the actual amount of water vapour in a mixture of air and water?

A. Relative humidity.

**B. Absolute humidity.**

C. Dew point.

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Q16. What is sea level pressure?

A. 1032.2 mb.

B. 1012.3 mb.

**C. 1013.2 mb.**

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Q17. The temperature lapse rate below the tropopause is.

A. 1°C per 1000 ft.

**B. 2°C per 1000 ft.**

C. 3°C per 1000 ft.

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Q18. Above the tropopause air pressure.

A. decreases at a constant rate.

**B. decreases exponentially.**

C. increases exponentially.

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Q19. What happens to the density of air as altitude is increased?

**A. Decreases.**

B. Stays the same.

C. Increases.

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Q20. Put in sequence from the ground up.

A. tropopause, stratosphere, troposphere.

B. tropopause, troposphere, stratosphere.

**C. troposphere, tropopause, stratosphere.**

(EASA module 8 book sub module 0.1)