



01. The angle of attack of a wing profile is defined as the angle between:

- a) The local airflow and the mean camberline
- b) The undisturbed airflow and the chordline
- c) The undisturbed airflow and the mean camberline
- d) The local airflow and the chordline

02. Assuming sufficient transmission power, the maximum range of a ground radar with a pulse repetition frequency of 450 pulses per second is: (Given: velocity of light is 300 000 km/s)

- a) 333 km
- b) 150 km
- c) 1333 km
- d) 666 km

03. If the pilot increases the reference pressure using the sub-scale setting knob, the altitude indicated by the altimeter:

- a) Decreases if QNH > 1013 hPa.
- b) Decreases if QNH
- c) Increases.
- d) Decreases.

04. In order to provide an adequate 'buffet boundary' at the commencement of the cruise a speed of 1.3 Vs is used. At a mass of 120000 kg this is a CAS of 180 KT. If the mass of the aeroplane is increased to 135000 kg the value of 1.3 Vs will be:

- a) Increased to 191 KT, drag will increase and air distance per kg of fuel will decrease.
- b) Increased to 202 KT but, since the same angle of attack is used, drag and range will remain the same.
- c) Increased to 191 KT, drag will decrease and air distance per kg of fuel will increase.
- d) Unaffected as Vs always occurs at the same angle of attack.

05. If the elevator trim tab is deflected up, the cockpit trim indicator presents:

- a) Neutral
- b) Nose-down
- c) Nose-left
- d) Nose-up



06. What is the correct call sign of Fastair 345 in the initial call to the aerodrome control tower and the approach control unit, if the aircraft has a maximum take-off weight of more than 136 tonnes:

- a) Fastair 345 heavy
- b) Fastair 345 widebody
- c) Fastair 345
- d) Heavy Fastair 345

07. The two standard parallels of a conical Lambert projection are at N10°40'N and N41°20'. The cone constant of this chart is approximatively:

- a) 0.44
- b) 0.18
- c) 0.66
- d) 0.90

08. Symptoms of decompression sickness

- a) Are only relevant when diving
- b) Are bends, chokes, creeps and neurological symptoms
- c) Are flatulence and pain in the middle ear
- d) Can only develop at altitudes of more than 40000 FT

09. The spin axis of the turn indicator gyroscope is parallel to the:

- a) Pitch axis.
- b) Yaw axis.
- c) Roll axis.
- d) Longitudinal axis.

10. Thunderstorms in exceptional circumstances can occur in a warm front if

- a) The cold air is convectively stable.
- b) The cold air is convectively unstable.
- c) The warm air is convectively stable.
- d) The warm air is convectively unstable.



Schema Risposte

Confronta le risposte fornite con il seguente schema e segna il tuo punteggio!

01: **B** _____

02: **D** _____

03: **C** _____

04: **A** _____

05: **B** _____

06: **A** _____

07: **A** _____

08: **B** _____

09: **A** _____

10: **D** _____



Modulo risposte

Utilizza questo modulo per segnare le tue risposte

01: _____

02: _____

03: _____

04: _____

05: _____

06: _____

07: _____

08: _____

09: _____

10: _____