



Simulazione di Esame

01. The purpose of the vibrating device of an altimeter is to:

- a) Inform the crew of a failure of the instrument
- b) Reduce the effect of friction in the linkages
- c) Reduce the hysteresis effect
- d) Allow damping of the measurement in the unit

02. Comparing a forward CG position with an aft one, the forward cg position will cause a

- a) Decrease in the landing speed.
- b) Decrease in range.
- c) Tendency to yaw to the right on take-off.
- d) Decrease of the stalling speed.

03. The centre of gravity of a body is that point

- a) Where the sum of the moments from the external forces acting on the body is equal to zero
- b) Through which the sum of the forces of all masses of the body is considered to act
- c) Which is always used as datum when computing moments
- d) Where the sum of the external forces is equal to zero

04. Given: Maximum allowable take-off mass 64 400 kg maximum landing mass 56200 kg maximum zero fuel mass 53 000 kg dry operating mass 35 500 kg estimated load 14 500 kg estimated trip fuel 4 900 kg minimum take-off fuel 7 400 kg. Find: maximum additional load

- a) 3 000 kg
- b) 5 600 kg
- c) 7 000 kg
- d) 4 000 kg

05. What is the colour sequence when passing over an Outer, Middle and Inner Marker beacon?

- a) Amber - white - green
- b) Blue - amber - white
- c) Blue - green - white
- d) White - amber - blue



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06. What is the correct term for the descending air flow in a large high pressure area?

- a) Advection.
- b) Convergence.
- c) Convection.
- d) Subsidence.

07. The planned flight is over a distance of 440 NM Based on the wind charts at altitude the following components are found: FL50: -30kt FL100: -50kt FL180: -70kt The Operations Manual in appendix details the aircraft's performances Which of the following flight levels (FL) gives the best range performance:

Flight Level	40	80	120	160	200
TAS (knots)	190	198	204	212	220
Hourly fuel flow (l/hr)	210	202	182	170	156

- a) FL 100
- b) FL 180
- c) Either FL 050 or FL 100
- d) FL 050

08. Which one of the displayed cloud forms is representative of altocumulus lenticularis?

- a) 3
- b) 4
- c) 2
- d) 1

09. The convention on offences and certain acts committed on board aircraft, is:

- a) The convention of Tokyo
- b) The convention of Chicago
- c) The convention of Rome
- d) The convention of Paris



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10. An aeroplane is to depart from an airfield at a take-off mass of 302550 kg. Fuel on board at take-off (including contingency and alternate of 19450 kg) is 121450 kg. The Dry Operating Mass is 161450 kg. The useful load will be

- a) 19650 kg
- b) 141100 kg
- c) 39105 kg
- d) 121450 kg

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Schema Risposte

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

01: **B** _____

02: **B** _____

03: **B** _____

04: **A** _____

05: **D** _____

06: **D** _____

07: **B** _____

08: **C** _____

09: **A** _____

10: **B** _____

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Modulo risposte

Utilizza questo modulo per segnare le tue risposte

01: _____

02: _____

03: _____

04: _____

05: _____

06: _____

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09: _____

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