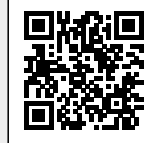


Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

NOME ALLIEVO:

DATA & ORA:

01. A location in the aircraft which is identified by a number designating its distance from the datum is known as:

- a) Station.
- b) Index.
- c) MA
- d) Moment.

02. In the transonic range lift will decrease at the shock stall due to the

- a) Attachment of the shock wave on the trailing edge of the wing.
- b) First appearance of a shock wave at the upper side of the wing.
- c) Separation of the boundary layer at the shock waves.
- d) Appearance of the bow wave.

03. Cold air pools

- a) Can easily be recognized on synoptic surface charts
- b) Only occur at mid-latitudes
- c) Are most evident in the temperature and wind fields of the upper levels
- d) Only occur in winter

04. Which word or phrase shall be used if you want to say: 'Wait and I will call you'?

- a) Roger.
- b) Go ahead.
- c) Wilco.
- d) Standby.

05. The approximate inclined plane of a warm front is:

- a) 1/150
- b) 1/500
- c) 1/300
- d) 1/50

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

06. In order to make sound decisions it is important to:

- a) Avoid situational awareness.
- b) Understand why and how we make decisions.
- c) Accept that the captain, because of his/her authority, tends to be correct.
- d) Keep a low level of stress by excluding non-verbal communication.

07. When flying in accordance with IFR, which of the following best describes the term 'Visual approach' ?

- a) A visual manoeuvre executed by an IFR flight when the weather conditions at the aerodrome of destination are equal to or better than required VMC minima
- b) An approach executed by an IFR flight unable to maintain VMC
- c) An extension of an instrument approach procedure to bring an aircraft into position for landing on a runway which is not suitably located for straight-in-approach
- d) An approach by an IFR flight when either part or all of an instrument approach procedure is not completed and the approach is executed in visual reference to terrain

08. What does the word 'approved' mean?

- a) That is correct
- b) Permission for proposed action granted
- c) I repeat for clarity or emphasis
- d) Authorized to proceed under the conditions specified

09. According to ICAO Doc 8168, a noise abatement departure procedure is NOT to be initiated at less than:

- a) 1 000 ft above aerodrome elevation
- b) 800 ft above aerodrome elevation
- c) 2 000 ft above aerodrome elevation
- d) 1 500 ft above aerodrome elevation

10. Find the time to the Point of Safe Return (PSR). Given: Maximum useable fuel 15000 kg, Minimum reserve fuel 3500 kg, TAS out 425 kt, Head wind component out 30 kt, TAS return 430 kt, Tailwind component return 20 kt, Average fuel flow 2150 kg/h

- a) 2 h 59 min
- b) 3 h 43 min
- c) 2 h 43 min
- d) 2 h 51 min

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

11. A moist but unsaturated parcel of air becomes saturated by:

- a) Lifting the parcel to a higher level
- b) Moving the parcel to an area with higher pressure and equal temperature
- c) Moving the parcel to an area with lower pressure and equal temperature
- d) Lowering the parcel to a lower level

12. Given: Distance 'A' to 'B' 3623 NM Groundspeed 'out' 370 kt Groundspeed 'back' 300 kt The time from 'A' to the Point of Equal Time (PET) between 'A' and 'B' is:

- a) 263 MIN
- b) 238 MIN
- c) 323 MIN
- d) 288 MIN

13. The time of useful consciousness in case of an explosive decompression at an altitude of 40 000 ft is:

- a) 1 minute.
- b) 30 seconds.
- c) 5 minutes.
- d) 12 seconds.

14. Distress is defined as:

- a) A condition concerning the safety of an aircraft or of a person on board, but which does not require immediate assistance
- b) A condition concerning the attitude of an aircraft when intercepting the localizer during an ILS approach
- c) A condition of being threatened by serious and/or imminent danger and requiring immediate assistance
- d) A condition concerning the safety of a person on board or within sight and requiring immediate assistance

15. Over Central Europe what type of cloud cover is typical of the warm sector of a depression during winter?

- a) Fair weather CU.
- b) CI, CS.
- c) CU, C
- d) ST.

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

16. What is the most important aspect of the 'backside of the power curve'?

- a) The altitude cannot be maintained.
- b) The aeroplane will not stall.
- c) The elevator must be pulled to lower the nose.
- d) The speed is unstable.

17. The heading rose of an HSI is frozen on 200°. Lined up on the ILS of runway 25, the localizer needle will be:

- a) Centred
- b) Centred with the 'fail' flag showing
- c) Right of centre
- d) Full scale deflection right with a 'to' indication

18. What is the radiotelephony call sign suffix for the aeronautical station indicating aerodrome control service:

- a) AERODROME
- b) CONTROL
- c) APRON
- d) TOWER

19. Following an act of unlawful interference on board an aircraft, the commander should submit a report to:

- a) Both the local authority and the Authority of the State of the operator
- b) The Authority of the State within which the aircraft is operating at the time of the unlawful interference
- c) The Authority of the State of the operator only
- d) The local authority only

20. QFE is the RTF Q-code to indicate:

- a) The atmospheric pressure corrected to the aircraft cockpit height
- b) The atmospheric pressure referred to the highest fixed obstacle located on the surface of an aerodrome
- c) The altimeter sub-scale setting to obtain the flight level reference datum
- d) The atmospheric pressure at aerodrome elevation (or at runway threshold)

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

21. During the transmission of numbers containing a decimal point:

- a) The term DECIMAL must always be transmitted.
- b) The term DECIMAL must be spoken only if followed by three digits.
- c) The term DECIMAL can be omitted if no chance of misunderstanding exists.
- d) The term DECIMAL can be omitted with friendly ATS units only.

22. Compressor surge during gas turbine engine acceleration is prevented by:

- a) Anti-ice Bleed Valves.
- b) Outlet guide vanes.
- c) Variable setting type nozzle guide vanes.
- d) Controlling the fuel flow (by the fcu - fuel control unit).

23. The biological reaction to stress is identical regardless of the cause of stress. This mechanism occurs in three phases and is referred to, by Selye, as the 'General Adaptation Syndrome'. The sequence is:

- a) Alarm phase - denial phase - exhaustion phase
- b) Exhaustion phase - resistance phase - adaptation phase
- c) Alarm phase - resistance phase - exhaustion phase
- d) Resistance phase - exhaustion phase - recovery phase

24. Given: TAS = 270 kt, Track (T) = 260°, W/V = 275/30kt. Calculate the HDG (°T) and GS?

- a) 262 - 241 kt
- b) 264 - 237 kt
- c) 264 - 241 kt
- d) 262 - 237 kt

25. Any acceleration in climb, with a constant power setting:

- a) Improves the rate of climb if the airspeed is below VY
- b) Improves the climb gradient if the airspeed is below VX
- c) Decreases rate of climb and increases angle of climb
- d) Decreases the rate of climb and the angle of climb

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

26. In accordance with OPS 1, for aeroplanes certified before the 1 April 1998, cockpit voice recorder (CVR), when required, must keep the conversations and sound alarms recorded during the last:

- a) 25 hours of operation.
- b) 30 minutes of operation.
- c) 48 hours of operation.
- d) Flight.

27. The thrust of a turbo-jet, at the selection of full power 1 - equals the product of the exhaust gas mass flow and the exhaust gas velocity 2 - is obtained by pressure of the exhaust gas on the ambient air 3 - is equivalent to zero mechanical power since the aeroplane is not moving 4 - is independent of the outside air temperature The combination which regroups all of the correct statements is:

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

28. The stall speed increases, when: (all other factors of importance being constant)

- a) Minor altitude changes occur e.g. 0-10000'
- b) Weight decreases
- c) Spoilers are retracted
- d) Pulling out of a dive

29. Given: Distance from departure to destination 1950 NM GS Out 400 kt GS Home 300 kt What is the time of the PET from the departure point?

- a) 223 min
- b) 167 min
- c) 125 min
- d) 29 min

30. If Paris reports a wind of 30012KT on the METAR, what wind velocity would you expect to encounter at a height of 2000 feet above the ground ?

- a) 33025KT
- b) 23030KT
- c) 27020KT
- d) 30025KT

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

31. During a flight from Europe, scheduled in MNPS (Minimum Navigation Performance Specification) airspace, you expect to cross the 30°W meridian at 1330 UTC

- a) You will normally be:
- b) In a night-time organised track system
- c) In a polar track system
- d) Outside the validity period of the organised track system

32. On a modern aircraft, the flight director modes are displayed on the:

- a) Upper strip of the ND (Navigation Display).
- b) Upper strip of the ECAM (Electronic Centralized A/C Management).
- c) Upper strip of the PFD (Primary Flight Display).
- d) Control panel of the flight director only.

33. To ensure that the fuel flow is kept directly proportional to the volume of air flowing through the choke, thus preventing the main jet supplying excessive fuel as engine speed is increased, a carburettor is fitted with:

- a) A diffuser
- b) A mixture control
- c) An accelerator pump
- d) A Power Jet

34. Which abbreviation is used for the term 'control zone'?

- a) CZ
- b) CTZ
- c) CTR
- d) CTA

35. At 50 feet AGL during an auto-land, what happens to the glideslope signal?

- a) Is disconnected.
- b) Is used to flare the aircraft.
- c) Is factored for range.
- d) Is used until the nose landing gear touches the ground.

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

36. The loaded centre of gravity (cg) of an aeroplane is 713 mm aft of datum. The mean aerodynamic chord lies between station 524 mm aft and 1706 mm aft. The cg expressed as% MAC (mean aerodynamic chord) is:

- a) 60 %
- b) 41 %
- c) 10 %
- d) 16 %

37. Which of the following statements are correct:-1: Scuba diving may be practiced without restriction-2: Many medicines have effects which are incompatible with flight safety-3: An adequate amount of fluid should be drunk when flying-4: Alcohol has no effect on the inner ear.

- a) 1, 2 and 3 are correct
- b) 2, 3 and 4 are correct
- c) 2 and 3 are correct
- d) 1, 3 and 4 are correct

38. Motivation is a quality which is often considered vital in the pilot's work to maintain safety.

- a) Motivation reduces the intensity of sensory illusions
- b) A high degree of motivation makes it possible to make up for insufficient knowledge in complete safety
- c) However, excessive motivation leads to stress which adversely affects performance
- d) A high degree of motivation lowers the level of vigilance

39. During a deceleration phase at constant attitude, the control system of the artificial horizon results in the horizon bar indicating a

- a) Nose down attitude.
- b) Nose up followed by a nose down attitude.
- c) Constant attitude.
- d) Nose up attitude.

40. In accordance with Doc 8168, a pilot flying an NDB approach must achieve a tracking accuracy within of the published approach track.

- a) $\pm 10^\circ$
- b) $\pm 2.5^\circ$
- c) $\pm 5^\circ$
- d) $\pm 2^\circ$

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

41. The use of a hot air wing anti-icing system:

- a) Does Not Affect Aerodynamic Performance Of The Wing And Causes No Reduction In Maximum Thrust.
- b) Reduces aerodynamic performance of the wing and causes no reduction in maximum thrust.
- c) Does not affect aerodynamic performance of the wing and causes a reduction in maximum thrust.
- d) Reduces Aerodynamic Performance Of The Wing And Causes A Reduction In Maximum Thrust.

42. At 0000 Local Mean Time of an observer:

- a) The mean sun is in transit with the observer's meridian.
- b) The apparent sun is in transit with the observer's anti-meridian.
- c) The apparent sun is in transit with the observer's meridian.
- d) The mean sun is in transit with the observer's anti-meridian.

43. What is 'VOLMET'?

- a) Meteorological station.
- b) Volume control meter.
- c) Meteorological information for aircraft in flight.
- d) A device used for measuring cloud base.

44. What is meant by presbycusis?

- a) Total loss of hearing in one ear due to use of a headset in the cockpit.
- b) Gradual loss of hearing with age.
- c) Gradual onset of long-sightedness with age.
- d) Total loss of hearing in both ears due to disease.

45. An RMI slaved to a remote indicating compass has gone unserviceable and is locked on to a reading of 090°. The tail of the VOR pointer shows 135°. The available information from the VOR is:

- a) Radial 135°, relative bearing unknown
- b) Radial 315°, relative bearing unknown
- c) Radial unknown, relative bearing 045°
- d) Local thunderstorm activity

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

46. Given: Distance from departure to destination 140 NM GS Out 90 kt GS Home 80 kt What is the distance of the PET from the departure point?

- a) 66 NM
- b) 124 NM
- c) 70 NM
- d) 74 NM

47. In case of fronts, what cloud formation is most likely to occur at low levels when a warm air mass overrides a cold air mass?

- a) Altostratus.
- b) Nimbostratus.
- c) Cumulus.
- d) Cumulonimbus.

48. Increase of wing loading will:

- a) Increase CL_{max}
- b) Decrease the minimum gliding angle
- c) Decrease take off speeds
- d) Increase the stall speeds

49. In case of an engine failure which is recognized at or above V_1 :

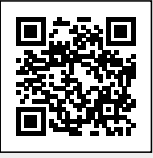
- a) A height of 50 ft must be reached within the take-off distance
- b) The take-off must be rejected if the speed is still below V_{LOF}
- c) The take-off should be rejected if the speed is still below V_R
- d) The take-off must be continued

50. A category D aeroplane can carry out a circling approach only if the meteorological visibility is higher than or equal to:

- a) 2400 m
- b) 1600 m
- c) 3600 m
- d) 1500 m

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

51. The take-off mass of an aeroplane is restricted by the climb limit. What would be the effect on this limit of an increase in the headwind component?

- a) The climb limited take-off mass would increase
- b) The effect would vary depending upon the height of any obstacle within the net take-off flight path
- c) The climb limited take-off mass would decrease
- d) None

52. The north and south magnetic poles are the only positions on the Earth's surface where:

- a) A position where the horizontal component of the earth's magnetic field is a maximum
- b) A freely suspended compass needle will stand horizontal
- c) A freely suspended compass needle would stand vertical
- d) The value of magnetic variation equals 90°

53. Given that the characteristics of a three engine turbojet aeroplane are as follows: Thrust = 50000 Newton / Engine $g = 10 \text{ m/s}^2$ Drag = 72569 N Minimum steady gradient of climb (2nd segment) = 2.7% SIN (Angle of climb) = (Thrust - Drag) / Weight The maximum take-off mass under 2nd segment conditions with 1 engine out is:

- a) 101596 kg
- b) 209064 kg
- c) 74064 kg
- d) 286781 kg

54. What is the Q-code for 'magnetic bearing from the station'?

- a) QTE
- b) QDM
- c) QDR
- d) QFE

55. When two DC generators are operating in parallel, control of load sharing is achieved by:

- a) An Equalising Circuit Which, In Turn, Controls The Speed Of The Generators.
- b) The synchronous busbar.
- c) Carrying out systematic load-shedding procedures.
- d) An equalising circuit which, in conjunction with the voltage regulators, varies the field excitation Current of the generators.

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

56. Refer to Student Pilot Route Manual E(LO)1 What is the radial and DME distance from CRK VOR/DME (N5150.4 W00829.7) to position N5210 W00920?

- a) 311° - 38 NM
- b) 170° - 22 NM
- c) 295° - 38 NM
- d) 350° - 22 NM

57. Other factors remaining constant and not limiting, how does increasing pressure altitude affect allowable take-off mass?

- a) Allowable take-off mass increases
- b) There is no effect on allowable take-off mass
- c) Allowable take-off mass decreases
- d) Allowable take-off mass remains uninfluenced up to 5000' pressure altitude

58. Which parameter will change first, when penetrating an horizontal windshear ?

- a) Indicated airspeed.
- b) Groundspeed.
- c) Vertical speed.
- d) Pitch angle.

59. A TCAS 2 (Traffic Collision Avoidance System) provides:

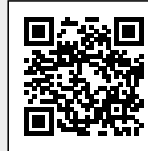
- a) A simple intruding airplane proximity warning.
- b) The intruder relative position and possibly an indication of a collision avoidance manoeuvre within the vertical plane only.
- c) The intruder relative position and possibly an indication of a collision avoidance manoeuvre within the horizontal plane only.
- d) The intruder relative position and possibly an indication of a collision avoidance manoeuvre within both the vertical and horizontal planes.

60. The International Nautical Mile defined by ICAO is equivalent to:

- a) 1.852 m
- b) 1.652 m
- c) 1.962 m
- d) 1.582 m

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

61. The automatic flight control system is coupled to the guidance outputs from an inertial navigation system. Which pair of latitudes will give the greatest difference between initial track read-out and the average true course given, in each case, a difference of longitude of 10°?

- a) 60°N to 50°N
- b) 60°N to 60°N
- c) 30°S to 25°S
- d) 30°S to 30°N

62. Which of the figures depicts an Electronic Flight Instrument System (EFIS) display in FULL VOR/ILS mode with an VOR frequency selected?

- a) Figure 1
- b) Figure 6
- c) Figure 5
- d) Radio communication failure

63. The function of the generator breaker is to close when the voltage of the:

- a) Battery Is Greater Than The Generator Voltage And To Open When The Opposite Is True.
- b) Generator is greater than battery voltage and to open when the opposite is true.
- c) Battery is greater than the alternator voltage and to open when the opposite is true.
- d) Alternator Is Greater Than The Battery Voltage And To Open When The Opposite Is True.

64. Refer to the General Student Pilot Route Manual - VFR Chart ED-4 Give the frequency of ZURICH VOLMET.

- a) 127.20 kHz
- b) 127.20 MHz
- c) 118.10 MHz
- d) 128.525 MHz

65. VFR flights shall not be flown over the congested areas of cities at a height less than

- a) 500 ft above the highest obstacle.
- b) 2000 ft above the highest obstacle within a radius of 600 ft from the aircraft.
- c) The highest obstacle.
- d) 1000 ft above the highest obstacle within a radius of 600 m from the aircraft.

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

66. Given: Distance from departure to destination 338 NM True track 045W/V 225/35TAS 120 kt What is the distance and time of the PET from the departure point? What is the distance and time of the PET from the departure point?

- a) Distance: 218 NM Time: 85 min
- b) Distance: 169 NM Time: 85 min
- c) Distance: 120 NM Time: 46 min
- d) Distance: 185 NM Time: 72 min

67. Presbyopia causes a:

- a) Lack of empty field
- b) Lack of vitamin A
- c) Mis-shapened cornea
- d) Decrease of accommodation

68. What does the word 'check' mean?

- a) Confirm your last transmission
- b) Read back my last instruction
- c) Examine a system or procedure
- d) I understand your message

69. An aircraft in the northern hemisphere makes an accurate rate one turn to the right/starboard. If the initial heading was 330°, after 30 seconds of the turn the direct reading magnetic compass should read:

- a) 060°
- b) More than 060°
- c) Less than 060°
- d) More or less than 060° depending on the pendulous suspension used

70. Given: Distance from departure to destination: 400 NM Endurance: 2,5 hTAS: 115 ktGround Speed Out: 130 ktGround Speed Home: 105 ktWhat is the distance of the PSR from the departure point?

- a) 73 NM
- b) 179 NM
- c) 255 NM
- d) 145 NM

Simulazione di Esame

Operational Procedures - ATPL - Airline Transport Pilot license, 70 domande in 70 minuti!



QuizVds.it

Schema Risposte

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

01: A	02: C	03: C	04: D
05: A	06: B	07: D	08: B
09: B	10: D	11: A	12: A
13: C	14: C	15: D	16: D
17: A	18: D	19: A	20: D
21: A	22: D	23: C	24: A
25: D	26: B	27: D	28: D
29: C	30: A	31: D	32: C
33: A	34: C	35: A	36: D
37: C	38: C	39: A	40: A
41: C	42: D	43: C	44: B
45: C	46: A	47: B	48: D
49: D	50: C	51: D	52: C
53: A	54: C	55: D	56: A
57: C	58: A	59: B	60: A
61: B	62: A	63: B	64: B
65: D	66: C	67: D	68: C
69: C	70: D		