

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

NOME ALLIEVO:

DATA & ORA:

01. The term "maximum elevation figure" (MEF) is defined as...

- a) The highest elevation within an area covering 30 minutes of latitude and 30 minutes of longitude.
- b) The highest elevation within an area covering 30 minutes of latitude and 30 minutes of longitude plus a safety margin, rounded to the next higher 100 ft.
- c) The highest elevation within an area covering 30 minutes of latitude and 30 minutes of longitude plus a safety margin of 1000 ft (305 m), rounded to the next higher 100 ft
- d) The highest elevation within an area covering 1 degree of latitude and 1 degree of longitude plus a safety margin, rounded to the next lower 100 ft.

02. The center of gravity has to be located...

- a) Between the front and the rear C.G. limit.
- b) Behind the rear C.G. limit.
- c) In front of the front C.G. limit
- d) Right of the lateral C. G. limit.

03. The red marking at the end of the yellow arc (5) indicates which airspeed? See figure (PFP-008) (1,00 P.) Siehe Anlage 8

- a) VNO: Maximum speed for normal operations
- b) VFE: Maximum flap extended speed
- c) VS1: Stall speed with flaps up
- d) VNE: Never-exceed speed

04. Which of the following options is likely to produce large induced drag?

- a) Large aspect ratio
- b) Tapered wings
- c) Small aspect ratio
- d) Low lift coefficients

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

05. Bernoulli's equation for frictionless, incompressible gases states that...

- a) Static pressure = total pressure + dynamic pressure
- b) Total pressure = dynamic pressure - static pressure
- c) Dynamic pressure = total pressure + static pressure.
- d) Total pressure = dynamic pressure + static pressure.

06. In case of an emergency ditching, the life vests have to be inflated...

- a) Before disembarking the aircraft.
- b) During disembarking the aircraft
- c) After disembarking the aircraft at a safe distance of about 10 m.
- d) After disembarking the aircraft

07. With only a slight crosswind, what is the danger at take-off after the departure of a heavy aeroplane?

- a) Wake turbulence on or near the runway
- b) Wake turbulence is amplified and distorted.
- c) Wake turbulence rotate faster and higher.
- d) Wake turbulence twisting transverse to the runway

08. An inversion layer close to the ground can be caused by...

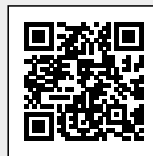
- a) Ground cooling during the night.
- b) Large-scale lifting of air.
- c) Intensifying and gusting winds
- d) Thickening of clouds in medium layers.

09. For the purpose of a flight preparation, the pilot calculates a total take-off mass of 750 kg and a total moment of 625 mmkg. Which cross marks the center of gravity (CG)? See annex (PFP-003) (1,00 P.) Siehe Anlage 3

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

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

10. During a flight at FL 80, the altimeter setting has to be...

- a) 1030.25 hPa.
- b) 1013.25 hPa.
- c) Local QFE.
- d) Local QNH.

11. With respect to aircraft accident and incident investigation, what are the three categories regarding aircraft occurrences?

- a) Event Crash Disaster
- b) Happening Event Serious event
- c) Ncident Serious incident Accident
- d) Event Serious event Accident

12. VOR radials are defined based on the principle of...

- a) Phase comparison of two signals.
- b) Frequency comparison of two signals.
- c) Pulse comparison of two signals
- d) Amplitude comparison of two signals.

13. What action should be taken when entering a windshear? 1. Reduce speed 2. Retract gear and flaps 3. Maintain current configuration 4. Adjust thrust

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

14. Which of the following states the working principle of an airspeed indicator?

- a) Total air pressure is measured and compared against static air pressure.
- b) Total air pressure is measured by the static ports and converted into a speed indication by the airspeed indicator
- c) Dynamic air pressure is measured by the Pitot tube and converted into a speed indication by the airspeed indicator
- d) Static air pressure is measured and compared against a vacuum

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

15. The measurement of altitude is based on the change of the...

- a) Dynamic pressure.
- b) Differential pressure.
- c) Static pressure.
- d) Total pressure.

16. Urgency messages are defined as...

- a) Messages concerning urgent spare parts which are needed for a continuation of flight and which need to be ordered in advance
- b) Messages concerning the safety of an aircraft, a watercraft or some other vehicle or person in sight.
- c) Information concerning the apron personell and which imply an imminent danger to landing aircraft.
- d) Messages concerning aircraft and their passengers which face a grave and imminent threat and require immediate assistance

17. Under which circumstances is it more likely to accept higher risks?

- a) If there is not enough information available
- b) During check flights due to a high level of nervousness
- c) During flight planning when excellent weather is forecast
- d) Due to group-dynamic effects

18. The stall warning will be activated just before reaching which speed?

- a) VNE
- b) VS
- c) VX
- d) VR

19. Which of the following landing areas is most suitable for an off-field landing?

- a) A lake with an undisturbed surface
- b) A light brown field with short crops
- c) A meadow without livestock
- d) A field with ripe waving crops

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

20. Wings level after a longer period of turning can lead to the impression of...

- a) Starting a descent.
- b) Starting a climb.
- c) Steady turning in the same direction as before
- d) Turning into the opposite direction

21. What is the purpose of a ground adjustable trim tab?

- a) It is set on the ground to correct an out-of-trim condition arising from the mass and balance situation of an aircraft
- b) It is preset on the ground and further adjusted in flight to reduce the need to constantly re-trim the aircraft
- c) It is used to optimize the handling characteristics of an aircraft during ground operations
- d) It is a non-movable metal tab on a flight control which is adjusted on the ground to optimize the inflight characteristics of an aircraft

22. Which phenomenon may be expected at point 3 of the microburst? See figure (OPR-001) (1,00 P.) Siehe Anlage 1

- a) Decrease in airspeed
- b) Constant rate of descent
- c) Increase in airspeed
- d) Decrease in climb rate

23. What is an appropriate reaction when a passenger during cruise flight suddenly feels uncomfortable?

- a) Adjust cabin temperature and prevent excessive bank
- b) Give additional oxygen and avoid low load factors
- c) Avoid conversation and choose a higher airspeed
- d) Switch on the heater blower and provide thermal blankets

24. What is a "PAPI" (Precision Approach Path Indicator)?

- a) A visual aid that provides guidance information to help a tower controller acquire and maintain the correct approach to an aerodrome or an airport
- b) A visual aid that provides guidance information to help a pilot acquire and maintain the correct glidepath to an aerodrome or an airport
- c) An instrumental aid that provides guidance information to help a pilot acquire and maintain the correct approach to an aerodrome or an airport
- d) A visual aid that provides guidance information to help a pilot acquire and maintain the correct departure track when departing from an aerodrome or an airport

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

25. The basic empty mass of an aircraft includes...

- a) The total mass of the aeroplane ready for a specific type of operation excluding unusable fuel and traffic load. The mass includes items such as crew and crew baggage.
- b) The total mass of an aeroplane ready for a specific type of operation including the required fuel and crew, but excluding traffic load.
- c) The mass of the aeroplane plus standard items such as unusable fuel and other unusable liquids, lubricating oil in engine and auxiliary units, fire extinguishers, pyrotechnics, emergency oxygen equipment, supplementary electronic equipment.
- d) The total mass of the aeroplane ready for a specific type of operation including crew, navigation instruments and engine cowling.

26. Above the friction layer, with a prevailing pressure gradient, the wind direction is...

- a) Perpendicular to the isohypses
- b) At an angle of 30° to the isobars towards low pressure.
- c) Parallel to the isobars.
- d) Perpendicular to the isobars.

27. What is the correct course of action when experiencing a radio failure in class D airspace?

- a) The flight has to be continued above 5000 feet complying with VFR flight rules or the airspace has to be left by the shortest route
- b) The flight has to be continued according to the last clearance complying with VFR rules or the airspace has to be left by the shortest route
- c) The flight has to be continued above 5000 feet complying with VFR flight rules or the airspace has to be left using a standard routing
- d) The flight has to be continued according to the last clearance complying with VFR flight rules or the airspace has to be left using a standard routing

28. Given the following conditions, the climb speed equals... Outside air temperature: -20° C Pressure altitude: 10000 ft See annex (PPF-011) (1,00 P.) Siehe Anlage 11

- a) 200 ft/min
- b) 350 ft/min.
- c) 390 ft/min
- d) 450 ft/min.

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

29. When is it necessary to adjust the pressure in the reference scale of an altimeter?

- a) Before every flight and during cross country flights
- b) Every day before the first flight
- c) Once a month before flight operation
- d) After maintenance has been finished

30. What does "WATER PATCHES" mean regarding the reported runway condition?

- a) A large part of the surface is flooded
- b) Patches of standing water are visible
- c) Wet surface, but no significant patches are visible
- d) The runway is clear of water, ice, and snow

31. Which Q-code is used for the true bearing from the station?

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

32. A pilot wants to take off on runway 36, the reported wind is 240 degrees 12 knots. What are the wind components acting on the aircraft on take-off and landing?

- a) Crosswind from the right 10.4 kt. Tailwind 6 kt.
- b) Crosswind from the right 6 kt. Headwind 10.4 kt.
- c) Crosswind from the left 10.4 kt. Tailwind 6 kt.
- d) Crosswind from the left 6 kt. Tailwind 10.4 kt.

33. Who provides search and rescue service?

- a) Only military organisations
- b) International approved organisations
- c) Only civil organisations
- d) Both military and civil organisations

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

34. How does air temperatur change in ISA from MSL to approx. 10.000 m height?

- a) From +20° to -40°C
- b) From +30° to -40°C
- c) From -15° to 50°C
- d) From +15° to -50°C

35. What is the advantage of differential aileron movement?

- a) The ratio of the drag coefficient to lift coefficient is increased
- b) The adverse yaw is highe
- c) The drag of the downwards deflected aileron is lowered and the adverse yaw is smaller
- d) The total lift remains constant during aileron deflection

36. How can you obtain meteorological information concerning airports during a cross-country flight?

- a) VOLMET
- b) GAMET
- c) METAR
- d) AIRMET

37. In which outside air temperature is icing most likely?

- a) Between -5° C and +20° C
- b) Between -10° C and +10° C
- c) Between -20° C and +5° C
- d) Between -15° C and 0° C

38. The angle of attack is the angle between...

- a) The undisturbed airflow and the longitudinal axis of an aeroplane.
- b) The chord line and the longitudinal axis of an aeroplane
- c) The chord line and the oncoming airflow
- d) The wing and the fuselage of an aeroplane.

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

39. Assume zero wind and an aircraft descending from 7500 ft to 1200 ft with an average true airspeed (TAS) during the descent of 105 kt. The rate of descent (ROD) equals 800 ft/min. The elapsed time will be...

- a) 8 Min.
- b) 6 Min
- c) 15 Min
- d) 12 Min

40. How should a power increase be executed on a constant-speed propeller, provided that no other procedure is described in the flight manual?

- a) 1) Decrease manifold pressure 2) Increase RPM
- b) 1) Decrease RPM 2) Increase manifold pressure
- c) 1) Increase manifold pressure 2) Increase RPM
- d) 1) Increase RPM 2) Increase manifold pressure

41. In which way is a SEP (land) rating renewed if you do not meet the required flight time?

- a) A proficiency check with an examiner
- b) According to the flight experience there have to be several training flights under supervision of an ATO
- c) The ATO can renew the rating after a training flight with a flight instructor
- d) The required flight experience has to be accumulated under supervision of a flight instructor

42. According to the aeronautical chart, Friesach/Hirt (LOKH) has a 707 m grass runway. Prevailing runway is 17 due to a surface wind of 18010KT. The required landing distance for your aircraft under present conditions is 550 m. Considering the NOTAM below ,is it safe to plan LOKH as an alternate aerodrome? See figure (PFP-026) (1,00 P.) Siehe Anlage 17

- a) Don't know
- b) Maybe
- c) Yes
- d) No

43. What pressure pattern can be observed at a lift-generating wing profile at positive angle of attack?

- a) Low pressure is created above, higher pressure below the profile
- b) High pressure is created above, lower pressure below the profile
- c) Pressure above remains unchanged, higher pressure is created below the profile
- d) Pressure below remains unchanged, lower pressure is created above the profile

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

44. Two aircraft of the same type, same grossweight and same configuration fly at different airspeeds. Which aircraft will cause more severe wake turbulence?

- a) The aircraft flying at lower altitude.
- b) The aircraft flying at slower speed.
- c) The aircraft flying at higher speed.
- d) The aircraft flying at higher altitude.

45. Which colour does Avgas 100 LL have?

- a) Red
- b) Green
- c) Yellow
- d) Blue

46. Which phrase is to be used when a pilot wants the tower to know that he is ready for take-off?

- a) Ready for start-up
- b) Ready for departure
- c) Request take-off
- d) Ready

47. Which answer is correct with regard to separation in airspace "E"?

- a) IFR traffic is separated only from VFR traffic
- b) VFR traffic is separated from VFR and IFR traffic
- c) VFR traffic is separated only from IFR traffic
- d) VFR traffic is not separated from any other traffic

48. How do lift and drag change when setting flaps to a lower position?

- a) Lift increases, drag decreases
- b) Lift increases, drag increases
- c) Lift decreases, drag decreases
- d) Lift decreases, drag increases

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

49. What weather conditions can be expected during "Foehn" on the windward side of a mountain range?

- a) Dissipating clouds with unusual warming, accompanied by strong, gusty winds
- b) Scattered cumulus clouds with showers and thunderstorms
- c) Layered clouds, mountains obscured, poor visibility, moderate or heavy rain
- d) Calm wind and forming of high stratus clouds (high fog)

50. Which of the human senses is most influenced by hypoxia?

- a) The olfactory perception (smell)
- b) The tactile perception (sense of touch)
- c) The auditory perception (hearing)
- d) The visual perception (vision)

51. The upper limit of LO R 4 equals... See annex (PFP-030) (1,00 P.) Siehe Anlage 16

- a) 4.500 ft AGL
- b) 4.500 ft MSL.
- c) 1.500 ft MSL.
- d) 1.500 ft AGL

52. How is referred to a tubular steel construction with a non self-supporting skin?

- a) Semi-monocoque construction.
- b) Grid construction
- c) Honeycomb structure
- d) Monocoque construction

53. What is the meaning of "risky shift"?

- a) Crossing of rudder and ailerons on short final
- b) The tendency to accept higher risks in groups
- c) Spontaneous change of landing direction when the runway has an upslope
- d) Seat adjustment in flight

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

54. If there is any doubt about ambiguity, a time of 1620 is to be transmitted as...

- a) Sixteen twenty
- b) Two zero
- c) One thousand six hundred two zero
- d) One six two zero

55. Piston engines of helicopters have...

- a) One magneto ignition system
- b) One electrical ignition system.
- c) Two coupled ignition systems.
- d) Two independent ignition systems

56. What is the correct designation of the frequency band from 118.000 to 136.975 MHz used for voice communication?

- a) LF
- b) VHF
- c) MF
- d) HF

57. Point number 5 in the figure indicates which flight state? See figure (PFA-008) (1,00 P.) Siehe Anlage 5

- a) Best gliding angle
- b) Slow flight
- c) Stall
- d) Inverted flight

58. Given: True course: 255°. TAS: 100 kt. Wind: 200°/10 kt. The true heading equals...

- a) 245°
- b) 275°.
- c) 265°
- d) 250°.

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

59. The ideal level of arousal is at which point in the diagram? See figure (HPL- 002) P = Performance A = Arousal / Stress Siehe Anlage 1

- a) Point A
- b) Point D
- c) Point C
- d) Point B

60. The term "datum" with regard to a mass and balance calculation defines...

- a) The point on the lateral axis of an aeroplane or its extension from which the centers of gravity of all masses are referenced.
- b) The point on the vertical axis of an aeroplane or its extension from which the centers of gravity of all masses are referenced.
- c) The point on the longitudinal axis of an aeroplane or its extension from which the centers of gravity of all masses are referenced.
- d) The distance from the reference plane to the center of gravity of an aircraft.

61. An aircraft must be loaded and operated in such a way that the center of gravity (CG) stays within the approved limits during all phases of flight. This is done to ensure...

- a) That the aircraft does not exceed the maximum permissible airspeed during a descent.
- b) That the aircraft does not stall.
- c) That the aircraft does not tip over on its tail while it is being loaded.
- d) Both stability and controllability of the aircraft.

62. What values are usually marked with a red line on instrument displays?

- a) Operational limits
- b) Caution areas
- c) Recommended areas
- d) Operational areas

63. The term "aerodrome elevation" is defined as...

- a) The highest point of the landing area.
- b) The lowest point of the landing area.
- c) The highest point of the apron.
- d) The average value of the height of the manoeuvring area

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

64. A vertical speed indicator connected to a too big equalizing tank results in...

- a) No indication
- b) Mechanical overload
- c) Indication too low
- d) Indication too high

65. What does the abbreviation "QDR" stand for?

- a) True bearing from the station
- b) Magnetic bearing from the station
- c) Magnetic bearing to the station
- d) True bearing to the station

66. What is meant by "inversion layer"?

- a) An atmospheric layer where temperature decreases with increasing height
- b) A boundary area between two other layers within the atmosphere
- c) An atmospheric layer with constant temperature with increasing height
- d) An atmospheric layer where temperature increases with increasing height

67. Which runway designators are correct for 2 parallel runways?

- a) "06L" and "06R"
- b) "18" and "18-2"
- c) "26" and "26R"
- d) "24" and "25"

68. What is the correct frequency for an initial distress message?

- a) Emergency frequency
- b) Current frequency
- c) FIS frequency
- d) Radar frequency

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

69. After an engine failure, the windmilling propeller...

- a) Generates neither thrust nor drag.
- b) Has a greater pitch in feathered position
- c) Generates drag rather than thrust.
- d) Improves the properties of the glide

70. What is the take-off distance at 750 kg take-off mass, standard (ISA) conditions at an elevation of 4000 ft with 5 kt tailwind? See annex (PFP-009) (1,00 P.) Siehe Anlage 9

- a) 900 m
- b) 320 m
- c) 630 m
- d) 480 m

Simulazione di Esame

Operational Procedure - PPL(A) English - Private Pilot License (Aircraft), 70 domande in 70 minuti!



QuizVds.it

Schema Risposte

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

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