

Simulazione di Esame

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



QuizVds.it

NOME ALLIEVO:

DATA & ORA:

01. What structural item provides lateral stability to an airplane?

- a) Differential aileron deflection
- b) Wing dihedral
- c) Vertical tail
- d) Elevator

02. 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

03. 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

04. Two engine-driven aircraft are flying on crossing courses at the same altitude. Which one has to divert?

- a) The lighter one has to climb
- b) Both have to divert to the right
- c) The heavier one has to climb
- d) Both have to divert to the left

Simulazione di Esame

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



QuizVds.it

05. Carbon monoxide poisoning can be caused by...

- a) Little sleep.
- b) Alcohol
- c) Smoking.
- d) Unhealthy food.

06. What does a cloud coverage of "BKN" mean in a METAR weather report?

- a) 3 to 4 eighths
- b) 8 eighths
- c) 5 to 7 eighths
- d) 1 to 2 eighths

07. In straight and level flight with constant performance of the engine, the angle of attack at the wing is...

- a) Greater than in a climb.
- b) Greater than at take-off
- c) Smaller than in a descent
- d) Smaller than in a climb

08. Rudder deflections result in a turn of the aeroplane around the...

- a) Rudder axis
- b) Lateral axis
- c) Vertical axis.
- d) Longitudinal axis.

09. Raise the nose to decrease airspeed

- a) During recovery the ailerons should be kept neutral
- b) Only very old aeroplanes have a risk of spinning
- c) During recovery the ailerons should be crossed
- d) During the spin the speed constantly increases

Simulazione di Esame

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



QuizVds.it

10. 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

11. What minimum coverage with ice or snow must be given to call a runway "contaminated"?

- a) 50 %
- b) 25 %
- c) 10 %
- d) 75 %

12. What is the correct way of using the aircraft call sign at first contact?

- a) Using the first two characters only
- b) Using the last two characters only
- c) Using the first three characters only
- d) Using all characters

13. How does the pilot prepare for a VFR flight over a large distance of water, when it is unlikely that land can be reached in case of an engine failure?

- a) File a flight plan including the exact way-points
- b) Be prepared to fly with transponder only
- c) Carry life vests or a life raft for all occupants.
- d) Maintain continuous radio contact with ATC.

14. An attitude director indicator (ADI) combines the information provided by...

- a) The attitude indicator and the flight director.
- b) The directional gyro and the rate gyro.
- c) The attitude indicator and the relative bearing indicator.
- d) The attitude indicator and the radio magnetic indicator

Simulazione di Esame

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



QuizVds.it

15. What is the correct way to transmit the call sign OE-JVK?

- a) Omega Echo Jankee Victor Kilo
- b) Oscar Echo Jankee Victor Kilogramm
- c) Oscar Echo Juliett Victor Kilo
- d) Oscar Echo Juliett Victor Kilo

16. What is the function of the horizontal tail (among other things)?

- a) To stabilise the aeroplane around the lateral axis
- b) To initiate a curve around the vertical axis
- c) To stabilise the aeroplane around the longitudinal axis
- d) To stabilise the aeroplane around the vertical axis

17. The position of the center of gravity equals... See figure (PFP-052e) (1,00 P.) Siehe Anlage 1

- a) 147.5 in.
- b) 145.7 in.
- c) 142 in.
- d) 137.5 in

18. In motorplanes the stall warning is usually activated by a change of...

- a) The center of gravity
- b) The transition point.
- c) The center of pressure
- d) The center of pressure

19. May an engine, which previously was on fire, be restarted?

- a) No, the risk of a reignition of the fire would be too high
- b) Yes, if the aircraft is flying at a safe altitude
- c) Yes, but only on the ground for the purpose of taxiing
- d) Yes, but only if the cause of the fire was a carburettor fire during engine start

Simulazione di Esame

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



QuizVds.it

20. Wake turbulence is caused by...

- a) Wind shear at the wingtip of an aerofoil.
- b) Jet blast behind a turbine engine
- c) Turbulence at the downwind side of a mountain range
- d) Pressure compensation at the wingtip of an aerofoil.

21. An aircraft cruises on a heading of 180° with a true airspeed of 100 kt. The wind comes from 180° with 30 kt. Neglecting instrument and position errors, which will be the approximate reading of the airspeed indicator?

- a) 100 kt
- b) 130 kt
- c) 30 kt
- d) 70 kt

22. What process results in the formation of "orographic fog" ("hill fog")?

- a) Prolonged radiation during nights clear of clouds
- b) Warm, moist air is moved across a hill or a mountain range
- c) Cold, moist air mixes with warm, moist air
- d) Evaporation from warm, moist ground area into very cold air

23. What is referred to as mountain wind?

- a) Wind blowing uphill from the valley during daytime
- b) Wind blowing uphill from the valley during the night
- c) Wind blowing down the mountain side during the night
- d) Wind blowing down the mountain side during daytime.

24. What is the purpose of winglets?

- a) Increase gliding performance at high speed.
- b) Increase of lift and turning manoeuvring capabilities
- c) To increase efficiency of aspect ratio
- d) Reduction of induced drag

Simulazione di Esame

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



QuizVds.it

25. The circumference of the Earth at the equator is approximately... See figure (NAV-002) (1,00 P.) Siehe Anlage 1

- a) 10800 km.
- b) 40000 NM.
- c) 12800 km
- d) 21600 NM.

26. Air descending behind a mountain range is defined as...

- a) Katabatic wind
- b) Convergent wind.
- c) Anabatic wind.
- d) Divergent wind.

27. 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

28. What is the approximate speed of electromagnetic wave propagation?

- a) 123000 m/s
- b) 300000 km/s
- c) 123000 km/s
- d) 300000 m/s

29. What impression may be caused when approaching a runway with an upslope?

- a) A landing beside the centerline
- b) A hard landing
- c) An undershoot
- d) An overshoot

Simulazione di Esame

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



QuizVds.it

30. An aircraft in the northern hemisphere intends to turn on the shortest way from a heading of 360° to a heading of 270°. At approximately which indication of the magnetic compass should the turn be terminated?

- a) 300°
- b) 360°
- c) 240°
- d) 270°

31. The altimeter can be checked on the ground by setting...

- a) QFE and comparing the indication with the airfield elevation.
- b) QNH and comparing the indication with the airfield elevation.
- c) QNE and checking that the indication shows zero on the ground.
- d) QFF and comparing the indication with the airfield elevation.

32. The aircraft is on radial... See annex (NAV-024) (1,00 P.) Siehe Anlage 8

- a) 066°.
- b) 234°.
- c) 060°.
- d) 246°.

33. The pressure compensation between wind upper and lower surface results in ...

- a) Laminar airflow by wing tip vortices.
- b) Profile drag by wing tip vortices.
- c) Induced drag by wing tip vortices.
- d) Lift by wing tip vortices

34. The pressure which is measured at a ground station and reduced to mean sea level (MSL) by means of the actual atmospheric conditions is called...

- a) QNH
- b) QNE
- c) QFE
- d) QFF

Simulazione di Esame

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



QuizVds.it

35. An aerodrome beacon (ABN) is a...

- a) Rotating beacon installed at an airport or aerodrome to indicate its location to aircraft pilots from the ground.
- b) Rotating beacon installed at the beginning of the final approach to indicate its location to aircraft pilots from the air.
- c) Rotating beacon installed at an airport or aerodrome to indicate its location to aircraft pilots from the air.
- d) Fixed beacon installed at an airport or aerodrome to indicate its location to aircraft pilots from the air.

36. An ATIS is valid for...

- a) 10 minutes
- b) 45 minutes.
- c) 60 minutes.
- d) 30 minutes

37. After take-off an aeroplane gets into a wind shear with decreasing headwind. As a result...

- a) The aeroplane flies above the estimated climb path
- b) The true airspeed (TAS) will increase
- c) The ground speed (GS) will decrease
- d) The aeroplane flies below the estimated climb path.

38. 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

39. During ignition check the ignition is switched to OFF for a short moment and subsequently back to BOTH. What happens to the RPM if the ignition system is properly grounded?

- a) The RPM increases once switched to OFF and resumes a value below the previous one when switched back to BOTH
- b) The RPM decreases once switched to OFF and resumes the previous value when switched back to BOTH
- c) The RPM increases once switched to OFF and resumes the previous value when switched back to BOTH
- d) The RPM decreases once switched to OFF and resumes a value below the previous one when switched back to BOTH

Simulazione di Esame

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



QuizVds.it

40. What structural item provides directional stability to an airplane?

- a) Differential aileron deflection
- b) Large vertical tail
- c) Wing dihedral
- d) Large elevator

41. What is the meaning of "DETRESFA"?

- a) Uncertainty phase
- b) Uncertainty phase
- c) Distress phase
- d) Alerting phase

42. Which of the following is NOT a risk factor for hypoxia?

- a) Smoking
- b) Menstruation
- c) Blood donation
- d) Diving

43. Through which factor listed below does the load factor increase during cruise flight?

- a) A forward centre of gravity
- b) Higher aeroplane weight
- c) An upward gust
- d) Lower air density

44. An inversion is a layer ...

- a) With increasing pressure with increasing height.
- b) With decreasing temperature with increasing height.
- c) With constant temperature with increasing height.
- d) With increasing temperature with increasing height.

Simulazione di Esame

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



QuizVds.it

45. In what case is visibility transmitted in meters?

- a) Up to 5 km
- b) Greater than 10 km
- c) Greater than 5 km
- d) Up to 10 km

46. What are the minimum requirements among others to acquire a rating for VFR night flights?

- a) At least 10 additional flight hours at night, three of them with a flight instructor with at least 1 hour cross-country flight plus 5 solo take-offs and full-stop landings
- b) At least 5 additional flight hours at night, four of them with a flight instructor with at least 1 hour cross-country flight plus 5 solo take-offs and full-stop landings
- c) At least 5 additional flight hours at night, three of them with a flight instructor with at least 1 hour cross-country flight plus 5 solo take-offs and full-stop landings
- d) At least 5 additional flight hours at night, three of them with a flight instructor with at least 1 hour cross-country flight plus 10 solo take-offs and full-stop landings

47. The center of gravity (CG) defines...

- a) The point on the longitudinal axis or its extension from which the centers of gravity of all masses are referenced.
- b) The point through which the force of gravity is said to act on a mass.
- c) The distance from the datum to the position of a mass.
- d) The product of mass and balance arm.

48. Which altitude is displayed on the altimeter when set to a specific QFE?

- a) Altitude in relation to the 1013.25 hPa datum
- b) Altitude in relation to the air pressure at the reference airfield
- c) Altitude in relation to the highest elevation within 10 km
- d) Altitude in relation to mean sea level

49. What is the correct way of acknowledging "You are now entering airspace Delta"?

- a) Entering
- b) Roger
- c) Wilco
- d) Airspace Delta

Simulazione di Esame

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



QuizVds.it

50. Two aeroplanes are flying on crossing tracks. Which one has to divert?

- a) The aircraft which flies from left to right has the right of priority
- b) Both have to divert to the right
- c) The aircraft which flies from right to left has the right of priority
- d) Both have to divert to the left

51. Which wing configuration is shown in the attachment? See figure (AGK-002) (1,00 P.) Siehe Anlage 1

- a) Strut-braced high wing
- b) High wing
- c) Mid wing
- d) Low wing

52. Which phrase is used by a pilot when he wants to fly through controlled airspace?

- a) Apply
- b) Want
- c) Would like
- d) Request

53. Which danger exists after a heavy rain shower for a landing aircraft?

- a) Displacement of the tire slip marking
- b) Difficult flare due to glare
- c) Longer braking distance due to aquaplaning
- d) Decreased braking distance due to aquaplaning

54. During cruise flight with constant power setting, an aircraft shows a permanent tendency to raise the nose. How can this tendency be eliminated?

- a) By deflecting the elevator trim tab upwards
- b) By shifting the center of gravity backwards
- c) By elevator deflection upwards
- d) By deflecting the elevator trim tab downwards

Simulazione di Esame

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



QuizVds.it

55. During a flight in an air mass with a temperature equal to ISA and the QNH set correctly, the indicated altitude is...

- a) Lower than the true altitude
- b) Equal to the true altitude
- c) Equal to the standard atmosphere.
- d) Higher than the true altitude.

56. Which altitude is displayed on the altimeter when set to a specific QNH?

- a) Altitude in relation to the 1013.25 hPa datum
- b) Altitude in relation to mean sea level
- c) Altitude in relation to the air pressure at the reference airfield
- d) Altitude in relation to the highest elevation within 10 km

57. An aircraft is flying with a true airspeed (TAS) of 180 kt and a headwind component of 25 kt for 2 hours and 25 minutes. The distance flown equals...

- a) 693 NM
- b) 435 NM.
- c) 375 NM.
- d) 202 NM.

58. Which of the stated materials shows the highest strength?

- a) Carbon fiber re-inforced plastic
- b) Aluminium
- c) Wood
- d) Magnesium

59. Which answer states a risk factor for diabetes?

- a) Overweight
- b) Smoking
- c) Sleep deficiency
- d) Alcohol consumption

Simulazione di Esame

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



QuizVds.it

60. Given the following conditions, the TAS equals... Outside air temperature: 10° C Pressure altitude: 6000 ft Power: 65 % See annex (PFP-014) (1,00 P.) Siehe Anlage 13

- a) 96 kt.
- b) 92 kt
- c) 88 kt.
- d) 100 kt.

61. In a METAR, "heavy rain" is designated by the identifier...

- a) RA
- b) +SHRA
- c) SHRA
- d) +RA

62. What conditions are mandatory for the formation of thermal thunderstorms?

- a) Conditionally unstable atmosphere, low temperature and low humidity
- b) Absolutely stable atmosphere, high temperature and high humidity
- c) Absolutely stable atmosphere, high temperature and low humidity
- d) Conditionally unstable atmosphere, high temperature and high humidity

63. The connection between middle ear and nose and throat region is called...

- a) Eardrum
- b) Cochlea
- c) Inner ear.
- d) Eustachian tube.

64. Number 3 in the drawing corresponds to the... See figure (PFA-010) (1,00 P.) Siehe Anlage 1

- a) Chord
- b) Thickness
- c) Camber line
- d) Chord line.

Simulazione di Esame

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



QuizVds.it

65. Which items should a passenger briefing in case of an imminent emergency landing include?

- a) How to work the aircraft radio, emergency transponder squawk, telephone number of the competent search and rescue (SAR) center
- b) Blood type of the other aircraft occupants, location of the first-aid kit
- c) Nature of the emergency, intentions, safety position, evacuation routes, actions after landing
- d) How to read an emergency checklist, how to cut the engine, telephone number of the home airport

66. 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

67. What does the abbreviaton "FIR" stand for?

- a) Flight integrity receiver
- b) Flow information radar
- c) Flight information region
- d) Flow integrity required

68. An aircraft is flying at a pressure altitude of 7000 feet with an outside air temperature (OAT) of +11°C. The QNH altitude is 6500 ft. The true altitude equals...

- a) 6500 ft.
- b) 7000 ft.
- c) 6750 ft.
- d) 6250 ft.

69. The density of AVGAS 100LL at 15° C is...

- a) 0.68 kg/l.
- b) 1.0 kg/l.
- c) 0.82 kg/l.
- d) 0.72 kg/l

Simulazione di Esame

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



QuizVds.it

70. What devices can be affected by a failure of the electrical system in a helicopter?

- a) Fuel quantity indication, radio equipment and altimeter
- b) Radio equipment, navigation equipment and magnetic compass
- c) Airspeed indicator, altimeter and artificial horizon
- d) Radio equipment, navigation equipment and gyros

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