

# Simulazione di Esame

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



QuizVds.it

NOME ALLIEVO:

DATA & ORA:

**01. 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.

**02. What is the function of the blood platelets (thrombocytes)?**

- a) Immune defense
- b) Blood coagulation
- c) Blood sugar regulation
- d) Oxygen transport

**03. Given the following data: Take-Off fuel = 200 lbs Alternate fuel = 40 lbs Final reserve fuel = 30 lbs After 25 minutes the remaining fuel is 120 lbs. Assuming that fuel flow will remain unchanged, the remaining time to the destination should not exceed:**

- a) 37.5 min
- b) 20.0 min
- c) 15.6 min
- d) 59.4 min

**04. What is the primary purpose of an aircraft accident investigation?**

- a) To Determine the guilty party and draw legal consequences
- b) To clarify questions of liability within the meaning of compensation for passengers
- c) To identify the reasons and work out safety recommendations
- d) To work for the public prosecutor and help to follow-up flight accidents

# Simulazione di Esame

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



QuizVds.it

**05. All aerodynamic forces can be considered to act on a single point. This point is called...**

---

- a) Center of gravity.
- b) Center of pressure.
- c) Lift point.
- d) Transition point.

**06. Assume two arbitrary points A and B on the same parallel of latitude, but not on the equator. Point A is located on 010°E and point B on 020°E. The rumb line distance between A and B is always...**

---

- a) More than 600 NM.
- b) Less than 600 NM.
- c) More than 300 NM
- d) Less than 300 NM

**07. What are the major components of an aircraft's tail?**

---

- a) Ailerons and elevator
- b) Horizontal tail and vertical tail
- c) Rudder and ailerons
- d) Steering wheel and pedals

**08. What pattern can be found at the stagnation point?**

---

- a) The boundary layer starts separating on the upper surface of the profile
- b) The laminar boundary layer changes into a turbulent boundary layer
- c) All aerodynamic forces can be considered as attacking at this single point
- d) Streamlines are divided into airflow above and below the profile

**09. 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

# Simulazione di Esame

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



QuizVds.it

**10. What is the correct way of acknowledging the instruction "Next report PAH"?**

---

- a) Positive
- b) Roger
- c) Report PAH
- d) Wilco

**11. In what different ways can a risk be handled appropriately?**

---

- a) Extrude, avoid, palliate, transfer
- b) Ignore, accept, transfer, extrude
- c) Avoid, reduce, transfer, accept
- d) Avoid, ignore, palliate, reduce

**12. The majority of aviation accidents are caused by...**

---

- a) Technical failure
- b) Meteorological influences.
- c) Geographical influences.
- d) Human failure.

**13. 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

**14. What is the true airspeed (TAS) [kt] and fuel consumption [l/h] for cruise flight with 70 % power in flight level 60 under the following conditions? Temperature: ISA - 20° C QNH: 980 hPa See annex (PFP-012) (2,00 P.) Siehe Anlage 10**

---

- a) 110 kt. 23.9 l/h.
- b) 100 kt. 19.3 l/h.
- c) 95 kt. 19.6 l/h.
- d) 105 kt. 21.5 l/h

# Simulazione di Esame

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



QuizVds.it

**15. How do you call fuel mixtures with a high amount of fuel?**

---

- a) Lean
- b) Full
- c) Empty
- d) Rich

**16. The term "balance arm" in the context of a mass and balance calculation defines the...**

---

- a) Distance from the datum to the center of gravity of a mass.
- b) Distance of a mass from the center of gravity.
- c) Point on the longitudinal axis of an aeroplane or its extension from which the centers of gravity of all masses are referenced.
- d) Point through which the force of gravity is said to act on a mass.

**17. Differential aileron deflection is used to...**

---

- a) Keep the adverse yaw low
- b) Avoid a stall at low angles of attack
- c) Increase the rate of descent
- d) Reduce wake turbulence.

**18. Which of the items below may have an influence on the noise perceived by a person on the ground? 1) Engine power setting 2) Propeller revolutions per minute 3) Position of the landing gear 4) Flap position 5) Flight track 6) Height above ground 7) Flight rules**

---

- a) 1, 2, 3, 4, 5, 6
- b) 1, 5, 6
- c) 1, 5, 6, 7
- d) 3, 4, 5, 6, 7

**19. What is the mean height of the tropopause according to ISA (ICAO Standard Atmosphere)?**

---

- a) 18000 ft
- b) 11000 ft
- c) 11000 m
- d) 36000 m

# Simulazione di Esame

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



QuizVds.it

## 20. What engines are commonly used with Touring Motor Gliders (TMG)?

---

- a) 4 Cylinder; 4 stroke
- b) 4 Cylinder 2 stroke
- c) 2 Cylinder Diesel
- d) 2 plate Wankel

## 21. Wake turbulences develop during take-off just as the aeroplane...

---

- a) Reaches an altitude of 15 ft.
- b) Lifts off with the main gear.
- c) Lifts off with the front gear.
- d) Accelerates

## 22. What danger does standing water on the runway pose to aircraft?

---

- a) Decreased rolling resistance during take-off
- b) An increase in lift
- c) Increased rolling resistance during take-off
- d) A decrease in lift

## 23. Where is interference drag generated?

---

- a) At the wing root
- b) At the ailerons
- c) At the the gear
- d) Near the wing tips

## 24. What is the direct influence by switching on the carburettor heating on fixed propeller engines during engine run-up?

---

- a) RPM decreases
- b) Angle of attack decreases
- c) Angle of attack increases
- d) RPM increaes

# Simulazione di Esame

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



QuizVds.it

**25. The shortest distance between two points on Earth is represented by a part of...**

---

- a) A great circle
- b) A small circle.
- c) A rhumb line.
- d) A parallel of latitude.

**26. The term "runway" is defined as a...**

---

- a) Round area on an aerodrome prepared for the landing and take-off of aircraft
- c) Rectangular area on a land or water aerodrome prepared for the landing and take-off of aircraft.
- d) Rectangular area on a land aerodrome prepared for the landing and take-off of helicopters.

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

---

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

**28. (For this question, please use annex PFP-063) According ICAO, what symbol indicates a general spot elevation? (2,00 P.) Siehe Anlage 24**

---

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

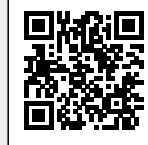
**29. Assume zero wind and an aircraft descending from 7500 ft to 1200 ft with an average true airspeed (TAS) during the descent of 105 kt. The rate of descent (ROD) equals 800 ft/min. The elapsed time will be...**

---

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

# Simulazione di Esame

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



QuizVds.it

## 30. Which type of ice forms by large, supercooled droplets hitting the front surfaces of an aircraft?

---

- a) Hoar frost
- b) Clear ice
- c) Rime ice
- d) Mixed ice

## 31. What information is provided in the general part (GEN) of the AIP?

---

- a) Table of content, classification of airfields with corresponding maps, approach charts, taxi charts, restricted and dangerous airspaces
- b) Map icons, list of radio nav aids, time for sunrise and sunset, airport fees, air traffic control fees
- c) Warnings for aviation, ATS airspaces and routes, restricted and dangerous airspaces
- d) Access restrictions for airfields, passenger controls, requirements for pilots, license samples and validity periods

## 32. A VOR radial corresponds to the...

---

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

## 33. How should departures near villages be carried out?

---

- a) Slow with a low propeller rotation speed
- b) Low and fast between the villages
- c) Climb and changes in direction should be done as slow as possible
- d) Villages should be circumnavigated and crossed in a sufficient altitude

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

---

- a) 330°
- b) 360°
- c) 270°
- d) 030°

# Simulazione di Esame

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



QuizVds.it

## 35. What is the gas composition of "air"?

- a) Oxygen 21 % Water vapour 78 % Noble gases / carbon dioxide 1 %
- b) Oxygen 78 % Water vapour 21 % Nitrogen 1 %
- c) Nitrogen 21 % Oxygen 78 % Noble gases / carbon dioxide 1 %
- d) Oxygen 21 % Nitrogen 78 % Noble gases / carbon dioxide 1 %

## 36. How does a balance tab move in relation to the flight control surface that it is coupled with?

- a) In the opposite direction
- b) At an angle of 90°
- c) At an angle of 45°
- d) In the same direction

## 37. A technical fault requires an emergency off-field landing. Which steps, with respect to the pilot's operating handbook, are necessary?

- a) Inform air traffic control and request technical support, check the pilot's operating handbook for a reference on the matter and execute an emergency landing
- b) Reduce speed and configure the aircraft for landing in an attempt to gain time, declare an emergency, complete the applicable emergency procedure and execute an emergency landing.
- c) Locate a suitable landing area, plan the approach, complete the applicable emergency procedure, declare an emergency, start and concentrate on the approach in due time.
- d) Declare an emergency, complete the applicable emergency procedure, cover as much distance towards the airport as possible to be closer to the rescue forces.

## 38. What is the required fuel to climb from FL 65 to FL 95 under the following conditions? Aircraft mass: 3000 lb. OAT in FL 65: -5° C OAT in FL 95: -15° C See annex (PFP-023) (1,00 P.) Siehe Anlage 14

- a) 1 GAL
- b) 2 GAL
- c) 6 GAL
- d) 3 GAL

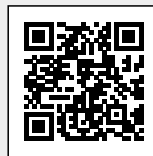
## 39. Under which circumstances is it more likely to accept higher risks?

- 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



# Simulazione di Esame

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



QuizVds.it

---

## 40. 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

---

## 41. What is the minimum flight visibility in airspace "C" for an aircraft operating under VFR at 5000 ft MSL?

- a) 8000 m
- b) 1500 m
- c) 3000 m
- d) 5000 m

---

## 42. Air traffic control service is conducted by which services?

- a) TWR (aerodrome control service) APP (approach control service) ACC (area control service)
- b) APP (approach control service) ACC (area control service) FIS (flight information service)
- c) ALR (alerting service) SAR (search and rescue service) TWR (aerodrome control service)
- d) FIS (flight information service) AIS (aeronautical information service) AFS (aeronautical fixed telecommunication service)

---

## 43. What is the minimum flight visibility in airspace "C" for an aircraft operating under VFR at FL110?

- a) 5000 m
- b) 1500 m
- c) 3000 m
- d) 8000 m

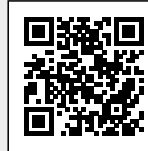
---

## 44. 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

# Simulazione di Esame

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



QuizVds.it

## 45. Who provides search and rescue service?

---

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

## 46. The term 'civil twilight' is defined as...

---

- a) The period of time before sunrise or after sunset where the midpoint of the sun disk is 6 degrees or less below the true horizon.
- b) The period of time before sunrise or after sunset where the midpoint of the sun disk is 6 degrees or less below the true horizon.
- c) The period of time before sunrise or after sunset where the midpoint of the sun disk is 12 degrees or less below the true horizon.
- d) The period of time before sunrise or after sunset where the midpoint of the sun disk is 12 degrees or less below the apparent horizon.

## 47. What is the take-off distance at 705 kg take-off mass, OAT 20° C, QNH 1013 hPa at an elevation of 3500 ft with 5 kt tailwind? See annex (PFP-009) (1,00 P.) Siehe Anlage 9

---

- a) 720 m
- b) 880 m
- c) 790 m
- d) 820 m

## 48. The bank angle of a 2-minutes circle depends on the...

---

- a) CAS
- b) IAS
- c) Ground speed
- d) TAS

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

---

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

# Simulazione di Esame

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



QuizVds.it

**50. Given a visibility of 12 km, what is the correct way to transmit this visibility?**

---

- a) One-two kilometers
- b) Twelve kilometers
- c) One-zero kilometers or more
- d) One-zero kilometers.

**51. What is the meaning of the abbreviation "VMC"?**

---

- a) Instrument flight conditions
- b) Variable meteorological conditions
- c) Visual meteorological conditions
- d) Visual flight rules

**52. 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.

**53. What information is broadcasted on a VOLMET frequency?**

---

- a) Navigational information
- b) NOTAMS
- c) Current information
- d) Meteorological information

**54. What weather conditions can be expected in high pressure areas during summer?**

---

- a) Changing weather with passing of frontal lines
- b) Squall lines and thunderstorms
- c) Calm winds and widespread areas with high fog
- d) Calm weather and cloud dissipation, few high Cu

# Simulazione di Esame

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



QuizVds.it

**55. Where can the type of restriction for a restricted airspace be found?**

---

- a) NOTAM
- b) AIC
- c) ICAO chart 1:500000
- d) AIP

**56. How is the nose or tail wheel usually controlled on small aircraft and motor gliders?**

---

- a) By the steering wheel
- b) By the control column
- c) By weight movement
- d) By the pedals

**57. A true altitude is...**

---

- a) A height above ground level corrected for non-standard pressure.
- b) A height above ground level corrected for non-standard temperature.
- c) A pressure altitude corrected for non-standard temperature.
- d) An altitude above mean sea level corrected for non-standard temperature

**58. 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

**59. The result of a front C.G. position is: 1. Increase in stability. 2. Increase in fuel consumption. 3. Increase in stall speed. 4. Increase in range.**

---

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

# Simulazione di Esame

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



QuizVds.it

## 60. The barometric altimeter with QFE setting indicates...

---

- a) Height above the pressure level at airfield elevation.
- b) True altitude above MSL.
- c) Height above MSL.
- d) Height above standard pressure 1013.25 hPa

## 61. In which way does the position of the center of pressure move at a positively shaped profile with increasing angle of attack?

---

- a) It moves backward until reaching the critical angle of attack
- b) It moves forward first, then backward
- c) It moves forward until reaching the critical angle of attack
- d) It moves to the wing tips

## 62. 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)

## 63. The sandwich structure consists of two...

---

- a) Thin layers and a light core material
- b) Thin layers and a heavy core material
- c) Thick layers and a heavy core material.
- d) Thick layers and a light core material.

## 64. What is shown on the printed sign? See figure (ALW-019) Siehe Anlage 1

---

- a) Point A on a taxiway
- b) Part A of the runway
- c) Taxiway A
- d) Parking position A

# Simulazione di Esame

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



QuizVds.it

## 65. Wie beeinflusst die Lufttemperatur die Leistung eines Kolbenmotors?

---

- a) Geringere Temperatur entspricht höherer Luftdichte, dies führt zu geringerer Motorleistung
- b) Höhere Temperatur entspricht geringerer Luftdichte, dies führt zu geringerer Motorleistung
- c) Höhere Temperatur entspricht höherer Luftdichte, dies führt zu höherer Motorleistung
- d) Geringere Temperatur entspricht geringerer Luftdichte, dies führt zu höherer Motorleistung

## 66. Regarding the communication model, how can the use of the same code during radio communication be ensured?

---

- a) By the use of radio phraseology
- b) By using radios certified for aviation use only
- c) By the use of proper headsets
- d) By a particular frequency allocation

## 67. During an unaccelerated flight...

---

- a) Drag equals lift and thrust equals gravity.
- b) Thrust equals the sum of drag and gravity.
- c) Thrust equals lift and drag equals gravity.
- d) Thrust equals drag and lift equals gravity.

## 68. (For this question, please use annex PFP-062) According ICAO, what symbol indicates a civil airport (not international airport) with paved runway? (2,00 P.) Siehe Anlage 23

---

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

## 69. 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

# Simulazione di Esame

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



QuizVds.it

**70. What is the meaning of the illustrated ground signal as shown in the signal area of an aerodrome? See figure (ALW-012) Siehe Anlage 4**

---

- a) Caution, manoeuvring area is poor
- b) Prohibition on landing for a longer period
- c) After take-off and before landing all turns have to be made to the right
- d) Ground movement restricted to hard surfaces

# Simulazione di Esame

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