

Simulazione di Esame

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



QuizVds.it

NOME ALLIEVO:

DATA & ORA:

01. A flight plan has been filed for a flight departing at an uncontrolled aerodrome. When has the actual take-off time been transmitted to ATC?

- a) Upon request from ATC.
- b) When landing is assured
- c) Immediately after take-off.
- d) At deviation from expected off-block time by more than 15 min.

02. Of what shape is a landing direction indicator?

- a) L
- b) A straight arrow
- c) An angled arrow
- d) T

03. Quasi-optical waves travel...

- a) Along the surface of the earth
- b) Through the air directly from the transmitter to the receiver.
- c) Through the air and are influenced (e.g. reflected) by the ionosphere
- d) Along the surface of the earth, but are absorbed by the sea.

04. Which of the following are an aircraft's secondary flight controls?

- a) Elevator, rudder, aileron
- b) All movable parts on the aircraft which aid in controlling the aircraft
- c) Elevator, rudder, aileron, trim tabs, high-lift wing devices, power controls
- d) Wing flaps, leading edge devices, spoilers or speedbrakes, trim systems

05. Which is the colour of runway end lights?

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

QuizVds.it offre risorse per lo studio di VDS, PPL(A), PPL(H), Droni, Fonia aeronautica, Parapendio e Deltaplano.

Visita il sito e scarica l'App per Android o iOS!

QuizVds.it

Simulazione di Esame

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



QuizVds.it

06. The term 'True Course' (TC) is defined as...

- a) The angle between magnetic north and the course line.
- b) The direction from an arbitrary point on Earth to the geographic North Pole.
- c) The angle between true north and the course line
- d) The direction from an arbitrary point on Earth to the magnetic north pole

07. During a descent at idle power with constant speed, the propeller lever is moved backwards. How do the propeller pitch and sink rate change?

- a) Propeller pitch is increased, sink rate is increased
- b) Propeller pitch is increased, sink rate is decreased
- c) Propeller pitch is decreased, sink rate is increased
- d) Propeller pitch is decreased, sink rate is decreased

08. 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

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

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

10. The speed VS0 is defined as...

- a) Maximum landing gear extended speed
- b) Stalling speed or minimum steady flight speed obtained in a specific configuration.
- c) Stalling speed or minimum steady flight speed in landing configuration.
- d) Stalling speed or minimum steady flight speed in landing configuration.

Simulazione di Esame

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



QuizVds.it

11. Which of the following options states a correct position report?

- a) DEABC reaching "N"
- b) DEABC over "N" in FL 2500 ft
- c) DEABC, "N", 2500 ft
- d) DEABC over "N" at 35

12. What should be considered regarding a scheduled flight over water, when land cannot be reached in case of an emergency landing?

- a) Transponder code 7600 has to be set during the whole flight
- b) Contact to the nearest ATC shall consist during the whole flight
- c) For all passengers there must be life jackets or lifeboats present
- d) The flight plan has to contain the exact waypoints

13. Which of the listed radiotelephony messages has a higher priority than a flight safety message?

- a) Communication related to direction finding
- b) Flight regularity message
- c) Meteorological message
- d) Aircraft position report message

14. 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

15. When do you expect wind shear?

- a) During an inversion
- b) In calm wind in cold weather
- c) During a summer day with calm winds
- d) When passing a warm front

Simulazione di Esame

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



QuizVds.it

16. Which abbreviation is used for the term "visual flight rules"?

- a) VFS
- b) VFR
- c) VRU
- d) VMC

17. What mass equals 102 litres of Avgas 100LL?

- a) 142 lbs
- b) 74 lbs
- c) 142 kg
- d) 74 kg

18. What does a readability of 2 indicate?

- a) The transmission is readable now and then
- b) The transmission is readable but with difficulty
- c) The transmission is perfectly readable
- d) The transmission is unreadable

19. 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.

20. What is the minimum flight visibility in airspace "E" for an aircraft operating under VFR at FL75?

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

Simulazione di Esame

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



QuizVds.it

21. What is the call sign of the flight information service?

- a) Info
- b) Advice
- c) Flight information
- d) Information

22. The critical angle of attack...

- a) Increases with a front centre of gravity.
- b) Decreases with a rear centre of gravity.
- c) Is changed by different aircraft weights.
- d) Is not changed by different aircraft weights.

23. What is the true airspeed (TAS) [kt] and fuel consumption [l/h] for cruise flight with 60 % 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) 96 kt. 19.1 l/h.
- b) 95 kt. 19.6 l/h.
- c) 110 kt. 25.1 l/h.
- d) 95,75 kt. 19.8 l/h.

24. An aircraft travels 100 km in 56 minutes. The ground speed (GS) equals...

- a) 58 km/h
- b) 198 kt
- c) 93 kt.
- d) 107 km/h.

25. Leaving a control frequency (except when reaching the final parking position)...

- a) Is not mandatory to be reported
- b) Must be approved twice
- c) Must be approved.
- d) Must be reported.

Simulazione di Esame

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



QuizVds.it

26. Where are the two polar circles?

- a) At a latitude of 20.5°S and 20.5°N
- b) 23.5° north and south of the poles
- c) 23.5° north and south of the equator
- d) 20.5° south of the poles

27. For the purpose of a flight preparation the pilot calculates a total take-off mass of 775 kg and a total moment of 700 mmkg. Which cross marks the center of gravity (CG)? See annex (PFP-005) (1,00 P.) Siehe Anlage 5

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

28. Which transponder code indicates a loss of radio communication?

- a) 2000
- b) 7700
- c) 7000
- d) 7600

29. Exceeding the maximum allowed aircraft mass is...

- a) Not permissible and essentially dangerous
- b) Only relevant if the excess is more than 10 %
- c) Compensated by the pilot's control inputs
- d) Exceptionally permissible to avoid delays.

30. What is the radial from VOR Brünkendorf (BKD) (53°02'N, 011°33'E) to Pritzwalk (EDBU) (53°11'N, 12°11'E)? See annex (NAV-031) (1,00 P.) Siehe Anlage 3

- a) 024°
- b) 204°
- c) 248°
- d) 068°

Simulazione di Esame

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



QuizVds.it

31. What does the octane rating or fuel grade describe?

- a) Anti-knock rating
- b) Flame front speed
- c) Ignition timing
- d) Combustion temperature

32. 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.

33. What is the correct phrase to begin a blind transmission?

- a) Blind
- b) Transmitting blind
- c) No reception
- d) Listen

34. A Pre-Flight Information Bulletin (PIB) is a presentation of current...

- a) ICAO information of operational significance prepared after the flight
- b) AIP information of operational significance prepared prior to flight.
- c) AIC information of operational significance prepared after the flight.
- d) NOTAM information of operational significance prepared prior to flight.

35. When preparing to carry out the weighing procedure on an aircraft, which of the following is required?

- a) Drain all engine tank oil
- b) Remove service equipment
- c) Drain all useable fuel
- d) Remove the batteries

Simulazione di Esame

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



QuizVds.it

36. In which situation is it NOT possible to achieve a pressure compensation between the middle ear and the environment?

- a) During a light and slow climb
- b) All windows are completely closed
- c) Breathing takes place using the mouth only
- d) The eustachien tube is blocked

37. 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

38. For a short flight from A to B the pilot extracts the following information from an aeronautical chart: True course: 245°. Magnetic variation: 7° W The magnetic course (MC) equals...

- a) 252°
- b) 245°.
- c) 007°
- d) 238°.

39. What does the abbreviation "H24" stand for?

- a) Sunrise to sunset
- b) 24 h service
- c) No specific opening times
- d) Sunset to sunrise

40. Which effect does a decreasing airspeed have on the induced drag during a horizontal and stable cruise flight?

- a) The induced drag will increase
- b) The induced drag will collapse
- c) The induced drag will remain constant
- d) The induced drag will slightly decrease

Simulazione di Esame

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



QuizVds.it

41. Which phenomenon may be expected at point 2 of the microburst? See figure (OPR-001) (1,00 P.) Siehe Anlage 1

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

42. The pilot wants to proceed directly to the beacon. The wind is calm. The pilot should follow a QDM of... See figure (NAV-019) (1,00 P.) Siehe Anlage 6

- a) 080°.
- b) 200°.
- c) 260°.
- d) 230°.

43. 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"

44. 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

45. QFE is the...

- a) Barometric pressure at a reference datum, typically the runway threshold of an airfield.
- b) Barometric pressure adjusted to sea level, using the international standard atmosphere (ISA).
- c) Magnetic bearing to a station
- d) Altitude above the reference pressure level 1013.25 hPa

Simulazione di Esame

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



QuizVds.it

46. A gyro which is rotating in space responds to forces being applied to it by an evasive movement...

- a) At an angle of 45° to the force being applied.
- b) In a northern direction.
- c) At an angle of 90° to the force being applied.
- d) At an angle of 180° to the force being applied

47. What is the effect of pulling the control yoke or stick backwards?

- a) The aircraft's tail will produce an increased downward force, causing the aircraft's nose to drop
- b) The aircraft's tail will produce an decreased upward force, causing the aircraft's nose to drop
- c) The aircraft's tail will produce an increased downward force, causing the aircraft's nose to rise
- d) The aircraft's tail will produce an increased upward force, causing the aircraft's nose to rise

48. The majority of aviation accidents are caused by...

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

49. How can a pilot confirm a search and rescue signal on ground in flight?

- a) Rock the wings
- b) Push the rudder in both directions multiple times
- c) Fly in a parabolic flight path multiple times
- d) Deploy and retract the landing flaps multiple times

50. Which abbreviation is used for the term "obstacle"?

- a) OBTC
- b) OBST
- c) OST
- d) OBS

Simulazione di Esame

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



QuizVds.it

51. 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

52. 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.

53. What is the difference in latitude between A (12°53'30"N) and B (07°34'30"S)?

- a) 20°28'00"
- b) 05,19°
- c) 20,28°
- d) 05°19'00"

54. An altitude of 4500 ft is transmitted as...

- a) Four thousand five hundred.
- b) Four five thousand.
- c) Four thousand five zero zero.
- d) Four five zero zero.

55. What process results in the formation of "advection fog"?

- a) Cold, moist air is being moved across warm ground areas
- b) Warm, moist air is moved across cold ground areas
- c) Cold, moist air mixes with warm, moist air
- d) Prolonged radiation during nights clear of clouds

Simulazione di Esame

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



QuizVds.it

56. For the purpose of a flight preparation the pilot calculates a total take-off mass of 725 kg and a total moment of 650 mmkg. Which cross marks the center of gravity (CG)? See annex (PFP-004) (1,00 P.) Siehe Anlage 4

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

57. Which statement is correct with regard to the short-term memory?

- a) It can store 10 (± 5) items for 30 to 60 seconds
- b) It can store 7 (± 2) items for 10 to 20 seconds
- c) It can store 3 (± 1) items for 5 to 10 seconds
- d) It can store 5 (± 2) items for 1 to 2 minutes

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

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

59. What chart shows areas of precipitation?

- a) GAFOR
- b) Wind chart
- c) Satellite picture
- d) Radar picture

60. Wake turbulence is particularly strong...

- a) At a high aeroplane weight.
- b) When flying with high thrust.
- c) When flying with low thrust.
- d) At a low aeroplane weight.

Simulazione di Esame

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



QuizVds.it

61. With increasing altitude, the power of a carburettor engine...

- a) Remains constant.
- b) First decreases, from 5000 ft on increases
- c) Increases
- d) Decreases

62. The trim wheel or lever in the cockpit is moved aft by the pilot. What effect does this action have on the trim tab and on the elevator?

- a) The trim tab moves up, the elevator moves up
- b) The trim tab moves up, the elevator moves down
- c) The trim tab moves down, the elevator moves up
- d) The trim tab moves down, the elevator moves down

63. The average decrease of blood alcohol level for an adult in one hour is approximately...

- a) 0.1 percent.
- b) 0.01 percent.
- c) 0.03 percent.
- d) 0.3 percent.

64. Which constructive feature is shown in the figure? See figure (PFA-006) L: Lift (1,00 P.) Siehe Anlage 4

- a) Longitudinal stability by wing dihedral
- b) Lateral stability by wing dihedral
- c) Differential aileron deflection
- d) Directional stability by lift generation

65. What is the meaning of a flashing green light signal at a controlled aerodrome directed to an aircraft in flight?

- a) Return for landing, followed by steady green at the appropriate time
- b) Cleared to land
- c) Give way to other aircraft and continue circling
- d) Airport unsafe, do not land

Simulazione di Esame

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



QuizVds.it

66. 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

67. In flight, a little smoke emerges from behind the instrument panel. An electrical fire is suspected. Which action, with respect to the pilot's operating manual, should be taken?

- a) Turn off the heat
- b) Shut down the engine
- c) Turn off the master switch
- d) Use the fire extinguisher

68. 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

69. For a take-off from runway 22 and a reported wind of 250°/10 kt, the longitudinal wind component equals...

- a) 9 kt tailwind
- b) 5 kt tailwind.
- c) 9 kt headwind.
- d) 9 kt headwind.

70. 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)

Simulazione di Esame

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



QuizVds.it

Simulazione di Esame

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