

Simulazione di Esame

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



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NOME ALLIEVO:

DATA & ORA:

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

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

02. 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

03. What information is provided in the part "AD" of the AIP?

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

04. What does the abbreviation "QUJ" stand for?

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

05. 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.

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06. During an approach the aeroplane experiences a windshear with a decreasing tailwind. If the pilot does not make any corrections, how do the approach path and the indicated airspeed (IAS) change?

- a) Path is higher, IAS decreases
- b) Path is higher, IAS increases
- c) Path is lower, IAS decreases
- d) Path is lower, IAS increases

07. 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

08. The change in pitch at a propeller blade from the root to the tip ensures...

- a) That the most thrust is produced at the blade tip
- b) That the most thrust is produced at the blade root
- c) A nearly constant load by a constant effective angle of attack over the entire length of the blade.
- d) The largest possible angle of attack at the blade tip

09. What is likely to be the cause if the engine runs unusually rough while checking the magnetos?

- a) Starter is faulty
- b) Sparking plug is defective
- c) Short circuit on the ground cable
- d) Ignition switch is faulty

10. UTC is...

- a) A zonal time
- b) A local time in Central Europe.
- c) Local mean time at a specific point on Earth.
- d) An obligatory time used in aviation

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11. What kind of reduction in visibility is not very sensitive to changes in temperature?

- b) Patches of fog (BCFG)
- c) Radiation fog (FG)
- d) Mist (BR)

12. Which phrase is to be repeated three times before transmitting an urgency message?

- a) Help
- b) Urgent
- c) Pan Pan
- d) Mayday

13. 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

14. A heading of 285 degrees is correctly transmitted as...

- a) Two eight five.
- b) Two eight five hundred.
- c) Two hundred eight five.
- d) Two hundred eighty-five.

15. Why is it dangerous to pump the throttle for engine start in cold weather?

- a) It may cause a carburettor fire
- b) Carburettor icing can occur
- c) The engine might start with not enough power
- d) The oil will become diluted

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16. How should the pilot react to an engaged stall warning?

- a) Pull the elevator, increase power
- b) Pull the elevator, decrease power
- c) Push the elevator, increase power
- d) Raise the nose to decrease airspeed

17. The "swiss cheese model" can be used to explain the...

- a) Error chain.
- b) Procedure for an emergency landing.
- c) Optimal problem solution.
- d) State of readiness of a pilot.

18. 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

19. Given: QTE: 248° VAR: 10° W The QDR equals...

- a) 068°
- b) 238°
- c) 258°.
- d) 078°

20. 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

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21. Which validity does the "Certificate of Airworthiness" have?

- a) 6 months
- b) 12 years
- c) Unlimited
- d) 12 months

22. 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

23. 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.

24. What is the required distance 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) 6 NM
- b) 3 NM
- c) 16 NM
- d) 10 NM

25. What could be a reason for changing the runway indicators at aerodromes (e.g. from runway 06 to runway 07)?

- a) The magnetic deviation of the runway location has changed
- b) The magnetic variation of the runway location has changed
- c) The direction of the approach path has changed
- d) The true direction of the runway alignment has changed

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26. Air consists of oxygen, nitrogen and other gases. What is the approximate percentage of other gases?

- a) 0.1 %
- b) 78 %
- c) 1 %
- d) 21 %

27. What does the abbreviation "FIR" stand for?

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

28. 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

29. What is the subject of ICAO Annex 1?

- a) Air traffic services
- b) Flight crew licensing
- c) Rules of the air
- d) Operation of aircraft

30. In flight, a little smoke emerges from behind the instrument panel. An engine 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) Use the fire extinguisher
- d) Turn off the master switch

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31. The term "tropopause" is defined as...

- a) The layer above the troposphere showing an increasing temperature.
- b) The boundary area between the mesosphere and the stratosphere.
- c) The boundary area between the troposphere and the stratosphere.
- d) The height above which the temperature starts to decrease.

32. 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

33. What are the air masses that Central Europe is mainly influenced by?

- a) Arctic and polar cold air
- b) Polar cold air and tropical warm air
- c) Equatorial and tropical warm air
- d) Tropical and arctic cold air

34. What condition has to be met during a Special VFR flight?

- a) Visual reference to the terrain
- b) Speed not above 115 kt IAS
- c) At least 500 m ground visibility
- d) A minimum distance to clouds of 2000 m

35. Weather and operational information about the destination aerodrome can be obtained during the flight by...

- a) VOLMET
- b) PIREP
- c) ATIS
- d) SIGMET

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36. What is an indication for a macho attitude?

- a) Careful walkaround procedure
- b) Comprehensive risk assessment when faced with unfamiliar situations
- c) Risky flight maneuvers to impress spectators on ground
- d) Quick resignation in complex and critical situations

37. A landing conducted in response to circumstances forcing the aircraft to land is a / an...

- a) Precautionary landing.
- b) Urgent landing.
- c) Emergency landing
- d) Field or out landing

38. What is the meaning of "DETRESFA"?

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

39. How much taxi fuel must be consumed before take-off to reduce the aircraft mass to the maximum take-off mass? Maximum ramp mass (MRM): 1150 kg Actual ramp mass: 1148 kg Maximum take-off mass (MTOM): 1145 kg

- a) 2 L
- b) 3 L
- c) 5 L
- d) 4 L

40. Immediately after lift-off, a microburst is entered inadvertently. Which action might avoid an unintentional descent?

- a) Immediately after lift-off, a microburst is entered inadvertently. Which action might avoid an unintentional descent?
- b) Set maximum power, retract landing gear and flaps, pick up speed and perform a left or a right turn in an attempt to leave the area of the microburst on the shortest way
- c) Set maximum power, retract landing gear and flaps, increase pitch until attaining optimum climb speed
- d) Set maximum power, maintain present aircraft configuration, pick up speed in an attempt to leave the area of the microburst as fast as possible

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41. The intensity of wake turbulence depends on...

- a) The propeller pitch.
- b) The temperature.
- c) The weight of the aeroplane.
- d) The altitude of the aeroplane

42. 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

43. Given: QTE: 229° VAR: 10° W The QDM equals...

- a) 039°
- b) 059°
- c) 239°
- d) 049°

44. Which navigation facility may be used for broadcasting the ATIS?

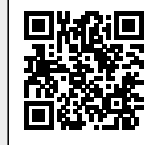
- a) GPS
- b) DME
- c) NDB
- d) VOR

45. Unless the aircraft is equipped and certified accordingly...

- a) Flight into known or forecast icing conditions is only allowed as long as it is ensured that the aircraft can still be operated without performance degradation.
- b) Flight into forecast icing conditions is prohibited. Should the aircraft enter an area of icing conditions inadvertently, the flight may be continued as long as visual meteorological conditions are maintained.
- c) Flight into known or forecast icing conditions is prohibited. Should the aircraft enter an area of icing conditions inadvertently, it should be left without delay.
- d) Flight into areas of precipitation is prohibited

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46. "Foehn" conditions usually develop with...

- a) Instability, widespread air blown against a mountain ridge.
- b) Stability, widespread air blown against a mountain ridge.
- c) Instability, high pressure area with calm wind.
- d) Stability, high pressure area with calm wind.

47. A take-off with flaps in take-off position causes...

- a) An increased rate of climb
- b) An increased acceleration
- c) A shortening of the take-off run.
- d) A decrease in drag.

48. What is the call sign of the aerodrome control?

- a) Tower
- b) Airfield
- c) Ground
- d) Control

49. Which statement about the airflow around an aerofoil is correct if the angle of attack decreases?

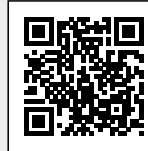
- a) The center of pressure moves aft
- b) The stagnation point remains constant
- c) The stagnation point moves down
- d) The center of pressure moves forward

50. Which of the following factors affects the reception of VHF transmissions?

- a) Altitude
- b) Shoreline effect
- c) Twilight error
- d) Height of ionosphere

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51. Which is the maximum rate of climb for the aircraft at 6500 ft pressure altitude and an OAT of 0° C? See annex (PFP-011) (1,00 P.) Siehe Anlage 11

- a) 480 ft / min
- b) 400 ft / min
- c) 520 ft / min
- d) 800 ft / min

52. Which factor can lead to human error?

- a) Double check of relevant actions
- b) Proper use of checklists
- c) To be doubtful if something looks unclear or ambiguous
- d) The bias to see what we expect to see

53. Anemic hypoxia can be caused by...

- a) Carbon monoxide poisoning.
- b) Low pressure
- c) High altitudes.
- d) Alcohol

54. 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

55. 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.

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56. What is the major task of a carburettor?

- a) To pump fuel from the tanks into the cylinder
- b) To control the aircraft's speed through the throttle valve
- c) To provide additional fuel to cool the engine
- d) To produce an ignitable air/fuel mixture

57. A construction made of frames and stringer with a supporting skin is called...

- a) Honeycomb structure
- b) Grid construction.
- c) Wood- or mixed construction.
- d) Semi-monocoque construction.

58. 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

59. During an approach the aeroplane experiences a windshear with a decreasing headwind. If the pilot does not make any corrections, how do the approach path and the indicated airspeed (IAS) change?

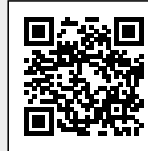
- a) Path is higher, IAS decreases
- b) Path is lower, IAS increases
- c) Path is higher, IAS increases
- d) Path is lower, IAS decreases

60. How can a wind shear encounter in flight be avoided?

- a) Avoid take-off and landing during the passage of heavy showers or thunderstorms
- b) Avoid areas of precipitation, particularly during winter, and choose low flight altitudes
- c) Avoid take-offs and landings in mountainous terrain and stay in flat country whenever possible
- d) Avoid thermally active areas, particularly during summer, or stay below these areas

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61. What is the distance between the two parallels of longitude 150°E and 151°E along the equator?

- a) 60 km
- b) 111 NM
- c) 60 NM
- d) 1 NM

62. What change of wind direction can be expected during the passage of a polar front low in Central Europe?

- a) Backing wind during passage of the warm front, veering wind during passage of the cold front
- b) Backing wind during passage of the warm front, backing wind during passage of the cold front
- c) Veering wind during passage of the warm front, veering wind during passage of the cold front
- d) Veering wind during passage of the warm front, backing wind during passage of the cold front

63. The term "steady flight" is defined as...

- a) Flight with a steady power setting without changing course
- b) Climb or descent with a constant climb or descent rate in calm weather conditions.
- c) Unaccelerated flight. The four forces thrust, drag, lift, and weight are in equilibrium.
- d) Flight in smooth air without turbulence and a perfectly trimmed aircraft.

64. With other factors remaining constant, decreasing temperature results in...

- a) Decreasing spread and decreasing relative humidity.
- b) Increasing spread and decreasing relative humidity.
- c) Increasing spread and increasing relative humidity.
- d) Decreasing spread and increasing relative humidity.

65. 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

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66. What describes "wing loading"?

- a) Drag per wing area
- b) Drag per weight
- c) Wing area per weight
- d) Weight per wing area

67. A flight is called a "visual flight", if the...

- a) Visibility in flight is more than 8 km.
- b) Flight is conducted under visual flight rules.
- c) Visibility in flight is more than 5 km.
- d) Flight is conducted in visual meteorological conditions.

68. What weather conditions in Central Europe are typically found in high pressure areas during summer?

- a) Large isobar spacing with calm winds, formation of local wind systems
- b) Large isobar spacing with strong prevailing westerly winds
- c) Small isobar spacing with calm winds, formation of local wind systems
- d) Small isobar spacing with strong prevailing northerly winds

69. 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

70. 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.

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Schema Risposte

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

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