

Simulazione di Esame

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



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NOME ALLIEVO:

DATA & ORA:

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

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

02. Which area is suitable for an off-field landing?

- a) Harvested cornfield
- b) Glade with long dry grass
- c) Plowed field
- d) Sports area in a village

03. An aircraft travels 110 NM within 01:25. The ground speed (GS) equals...

- a) 120 km/h.
- b) 160 km/h
- c) 86 kt.
- d) 78 kt.

04. What does the term "confirmation bias" mean?

- a) The feedback loop in a closed communication
- b) The preference to find arguments to proof the own mental model
- c) The bias to confirm each radio call
- d) The critical check of ambiguous situations in flight

05. Given the following information, what range can be achieved? Outside air temperature: 22° C Pressure altitude: 2000 ft Power: 55 % See annex (PFP-013) (1,00 P.) Siehe Anlage 12

- a) 550 NM
- b) 480 NM
- c) 450 NM
- d) 500 NM

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06. 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

07. Which of the following is NOT a symptom of hyperventilation?

- a) Cyanose
- b) Tingling
- c) Spasm
- d) Disturbance of consciousness

08. The distance from 'A' to 'B' measures 120 NM. At a distance of 55 NM from 'A' the pilot realizes a deviation of 7 NM to the right. What approximate course change must be made to reach 'B' directly?

- a) 8° left
- b) 6° left
- c) 15° left
- d) 14° left

09. What is the correct way to transmit the call sign HB-YKM?

- a) Home Bravo Yuliett Kilo Mike
- b) Hotel Bravo Yankee Kilo Mike
- c) Hotel Bravo Yuliett Kilo Mikro
- d) Home Bravo Yankee Kilo Mikro

10. 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

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11. 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

12. Of what shape is a landing direction indicator?

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

13. Which are the official basic units for horizontal distances used in aeronautical navigation and their abbreviations?

- a) Feet (ft), inches (in)
- b) Nautical miles (NM), kilometers (km)
- c) Yards (yd), meters (m)
- d) Land miles (SM), sea miles (NM)

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

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

15. Given the following conditions, the fuel consumption equals... Pressure altitude: 2000 ft Temperature: 31° C RPM: 2400 See annex (PFP-012) (1,00 P.) Siehe Anlage 10

- a) 19.5 l/h.
- b) 19.1 l/h.
- c) 21.7 l/h
- d) 22.8 l/h

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16. 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.

17. Given: WCA: -012°; TH: 125°; MC: 139°; DEV: 002°E What are: TC, MH und CH?

- a) TC: 113°. MH: 127°. CH: 129°.
- b) TC: 137°. MH: 127°. CH: 125°.
- c) TC: 137°. MH: 139°. CH: 125°.
- d) TC: 113°. MH: 139°. CH: 129°.

18. 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

19. Given: True course: 120°. TAS: 120 kt. Wind: 150°/12 kt. The WCA equals...

- a) 6° to the right.
- b) 3° to the left.
- c) 3° to the right.
- d) 6° to the left.

20. The DME reading is a...

- a) Ground distance.
- b) Air range
- c) Radial distance.
- d) Slant range.

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21. 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

22. 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

23. 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

24. 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.

25. Regularity messages are messages...

- a) Concerning the safety of an aircraft, a watercraft or some other vehicle or person in sight.
- b) Concerning aircraft and their passengers which face a grave and imminent threat and require immediate assistance.
- c) Sent by an aircraft operating agency or an aircraft of immediate concern to an aircraft in flight
- d) Concerning the operation or maintenance of facilities essential for the safety or regularity of aircraft operation

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26. A vertical speed indicator measures the difference between...

- a) Instantaneous total pressure and previous total pressure.
- b) Total pressure and static pressure.
- c) Instantaneous static pressure and previous static pressure.
- d) Dynamic pressure and total pressure

27. Where is the aircraft located in relation to the VOR? See annex (NAV-022) (1,00 P.) Siehe Anlage 7

- a) Northeast
- b) Southeast
- c) Southwest
- d) Northwest

28. The range of a VOR is affected by...

- a) Daylight interference
- b) Reflected sky waves.
- c) Multipath propagation of the ground wave
- d) Transmitter and receiver altitude.

29. Given the following data for a VFR flight: Trip fuel = 70 US gallons Contingency fuel = 5% of trip fuel Alternate and final reserve fuel = 20 US gallons Usable fuel at take-off = 95 US gallons After half of the distance you read that you have consumed 40 US gallons. Assume that fuel flow remains unchanged. Which statement is correct?

- a) Upon landing 15.0 US gallons will remain in addition to alternate and final reserve fuel.
- b) Upon landing 5.0 US gallons will remain in addition to alternate and final reserve fuel
- c) Upon landing, a total of 40.0 US gallons will remain.
- d) The remaining fuel is insufficient for a landing at destination with alternate and final reserve fuel remaining.

30. 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

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31. 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

32. 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

33. What effects typically result from propeller icing?

- a) Reduced power output, decreasing RPM
- b) Increased power output, decreasing RPM.
- c) Increased power output, increasing RPM.
- d) Reduced power output, increasing RPM.

34. Winds blowing uphill are defined as...

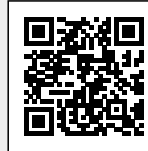
- a) Katabatic winds.
- b) Anabatic winds
- c) Convergent winds
- d) Subsident winds.

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

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

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36. What temperatures are most dangerous with respect to airframe icing?

- a) $+5^{\circ}$ to -10° C
- b) 0° to -12° C
- c) -20° to -40° C
- d) $+20^{\circ}$ to -5° C

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

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

38. 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.

39. Which statement is correct with regard to the term "taxi holding point"?

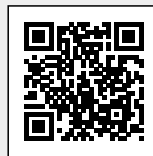
- a) A taxi holding point is an area where the aircraft must stop unless further permission to proceed is given
- b) A taxi holding point is only to be observed for IFR traffic if instrument weather conditions are prevailing
- c) A taxi holding point is the point at which the aircraft must stop unless further permission to proceed is given
- d) A taxi holding point is designed to indicate the beginning of the safety area and may be crossed when a taxi clearance is given

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

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

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41. Lower-than-standard temperature may lead to...

- a) A blockage of the Pitot tube by ice, freezing the altimeter indication to its present value
- b) An altitude indication which is too low
- c) An altitude indication which is too high.
- d) A correct altitude indication as long as the altimeter subscale is set to correct for non-standard temperature.

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

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

43. 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

44. 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

45. SIGMET warnings are issued for...

- a) Specific routings.
- b) Airports
- c) FIRs / UIRs
- d) Countries

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46. Which of the following is responsible for the blood coagulation?

- a) Red blood cells (erythrocytes)
- b) Capillaries of the arteries
- c) White blood cells (leucocytes)
- d) Blood plates (thrombocytes)

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

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

48. Where is interference drag generated?

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

49. In case of a stall it is important to...

- a) Increase the bank angle and reduce the speed
- b) Increase the angle of attack and increase the speed.
- c) Decrease the angle of attack and increase the speed
- d) Increase the angle of attack and reduce the speed.

50. 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

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51. Which of the following frequencies is designated for VHF voice communication?

- a) 120.50 MHz
- b) 115.15 MHz
- c) 108.80 MHz
- d) 117.30 kHz

52. The angle between the true course and the true heading is called...

- a) WCA
- b) Deviation
- c) Variation
- d) Inclination

53. How is the balance of forces affected during a turn?

- a) Lift force must be increased to compensate for the sum of centrifugal and gravitational force
- b) The net force results from superposition of gravity and centripetal forces
- c) The horizontal component of the lift force during a turn is the centrifugal force
- d) A lower lift force compensates for a lower net force as compared to level flight

54. What phrase is used by a pilot if a transmission is to be answered with "yes"?

- a) Roger
- b) Yes
- c) Affirm
- d) Affirmative

55. During a VFR flight the remaining usable fuel at a checkpoint is 80 USG. Reserve fuel is 20 USG, remaining flight time according to flight plan is 2h 20min. What is the highest acceptable fuel flow (FF) for the rest of the trip?

- a) FF = 8.6 USG/h
- b) FF = 42.9 USG/h
- c) FF = 25.7 USG/h
- d) FF = 34.3 USG/h

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56. A single-engine piston and a turboprop aeroplane are approaching each other opposite at the same altitude. Which aeroplane has to change its track to avoid a collision?

- a) The turboprop aircraft has to give way to the single-engine piston aircraft
- b) Both aircraft have to alter their tracks to the left
- c) Both aircraft have to alter their tracks to the right
- d) The single-engine piston aircraft has to give way to the turboprop aircraft

57. The VDF range depends on...

- a) The aircraft's speed.
- b) The condition of the ionosphere.
- c) The range of the ground / surface wave.
- d) The aircraft's altitude.

58. An emergency landing is a landing...

- a) Conducted without power from the engine.
- b) Conducted in an attempt to keep up safety regarding an aircraft and its occupants.
- c) Conducted with the flaps retracted.
- d) Conducted in response to circumstances forcing the aircraft to land

59. 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

60. 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

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61. What is the meaning of the abbreviation "TRA"? (

- a) Temporary Reserved Airspace
- b) Temporary Radar Routing Area
- c) Transponder Area
- d) Terminal Area

62. 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

63. How does the aircraft configuration influence take-off performance while all other parameters remaining constant? See figure (PFP-007) (1,00 P.) Siehe Anlage 7

- a) Aircraft B has a higher tyre pressure than aircraft A
- b) Aircraft A has a higher tyre pressure than aircraft B
- c) Aircraft B has a higher flap setting than aircraft A
- d) Aircraft A has a higher flap setting than aircraft B

64. During a straight and steady climb, which force acts additionally, and in the same direction as the drag force, resulting in more power required for climb than for horizontal flight?

- a) A component of the weight force along the rearward flight path
- b) The vertical component of the weight force
- c) A component of the thrust along the rearward flightpath.
- d) A component of the lift force along the forward flightpath.

65. An acceleration during a straight horizontal flight can lead to the illusion of...

- a) A descent.
- b) A climb.
- c) An inverted flight.
- d) A bank.

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66. A pilot can contact FIS (flight information service)...

- a) Via telephone.
- b) Via internet.
- c) By a personal visit.
- d) Via radio communication.

67. What conditions are favourable for the formation of thunderstorms?

- a) Warm humid air, conditionally unstable environmental lapse rate
- b) Calm winds and cold air, overcast cloud cover with St or As
- c) Clear night over land, cold air and patches of fog
- d) Warm and dry air, strong inversion layer

68. 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

69. 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

70. What does the reported runway condition "DAMP" mean?

- a) Wet surface, but no significant puddles are visible
- b) Change of colour on the surface due to moisture
- c) The runway is clear of water, ice, and snow
- d) A large part of the surface is flooded

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Schema Risposte

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

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