

Exam simulation

SPL - Sailplane Pilot License - Operational Procedures



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STUDENT NAME:

DATE AND TIME:

01. Which item from an aerodrome information transmission does not normally require readback?

- a) Runway in use
- b) Altitude
- c) Wind
- d) SSR code

02. During flight you have to solve a problem, how do you proceed?

- a) There is no time for solving problems during flight
- b) Solve problem immediately, otherwise refer to the operating handbook
- c) Contact other pilot via radio for help, keep flying
- d) Primarily fly the aeroplane and keep it stable, then attend to the problem and keep flying the aeroplane

03. During a left turn, the yaw string is drawn to the left from centre position. By what rudder input can the string be centred again?

- a) More bank, less rudder in turn direction
- b) Less bank, more rudder in turn direction
- c) Less bank, less rudder in turn direction
- d) More bank, more rudder in turn direction

04. Despite several attempts, the landing gear can be extended, but not locked. How should the landing be conducted?

- a) Keep gear unlocked and perform normal landing
- b) Keep a firm grip on gear handle during normal landing
- c) Retract landing gear and perform belly landing with minimum speed
- d) Retract gear and perform belly landing with increased speed

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

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

06. What negative impacts may be expected during circling overhead industrial facilities?

- a) Health impairments by pollutants, reduced visibility and turbulences
- b) Strong electrostatic charging and deterioration in radio communication
- c) Very poor visibility of only few hundred meters and heavy precipitation
- d) Extended, strong downwind areas on the lee side of the facility

07. What is the correct term for a message used for air traffic control?

- a) Meteorological message
- b) Message related to direction finding
- c) Flight safety message
- d) Flight regularity message

08. 1000 ft equal...

- a) 300 m
- b) 3000 m
- c) 30 km
- d) 30 m

09. During a right turn, the yaw string is drawn to the left from centre position. By what rudder input can the string be centreed again?

- a) Less bank, less rudder in turn direction
- b) Less bank, more rudder in turn direction
- c) More bank, less rudder in turn direction
- d) More bank, more rudder in turn direction

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

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

11. What is the minimum flight visibility in airspace "C" for an aircraft operating under VFR at FL125?

- a) 8000 m
- b) 1500 m
- c) 5000 m
- d) 10000 m

12. Given: WCA: -012°; TH: 125°; MC: 139°; DEV: 002°E What are: TC, MH and 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°

13. What clouds and weather may result from a humid and unstable air mass, that is pushed against a chain of mountains by the predominant wind and forced to rise?

- a) Embedded CB with thunderstorms and showers of hail and/or rain.
- b) Smooth, unstructured NS cloud with light drizzle or snow (during winter).
- c) Thin Altostratus and Cirrostratus clouds with light and steady precipitation.
- d) Overcast low stratus (high fog) with no precipitation.

14. With respect to aircraft accident and incident investigation, what are the three categories regarding aircraft occurrences?

- a) Event Crash Disaster
- b) Event Serious event Accident
- c) Happening Event Serious event
- d) Incident Serious incident Accident

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15. The compass error caused by the aircraft's magnetic field is called...

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

16. 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

17. Which statement concerning the angle of attack is correct?

- a) Increasing the angle of attack results in decreasing lift
- b) The angle of attack cannot be negative
- c) A too large angle of attack may result in a loss of lift
- d) The angle of attack is constant throughout the flight

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18. What is the true course (TC) from Uelzen (EDVU) (52°59'N, 10°28'E) to Neustadt (EDAN) (53°22'N, 011°37'E)?



- a) 241°
- b) 055°
- c) 235°
- d) 061°

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19. If there is any doubt about ambiguity, a time of 1620 is to be transmitted as...

- a) Sixteen twenty
- b) Two zero
- c) One six two zero
- d) One thousand six hundred two zero

20. Which of the following documents have to be on board for an international flight? a) Certificate of aircraft registration b) Certificate of airworthiness c) Airworthiness review certificate d) EASA Form-1 e) Aeroplane logbook f) Appropriate papers for every crew member g) Technical logbook

- a) D, f, g
- b) B, c, d, e, f, g
- c) A, b, c, e, f
- d) A, b, e, g

21. Given: True course from A to B: 250°. Ground distance: 210 NM. TAS: 130 kt. Headwind component: 15 kt. Estimated time of departure (ETD): 0915 UTC. The estimated time of arrival (ETA) is...

- a) 1115 UTC
- b) 1005 UTC
- c) 1105 UTC
- d) 1052 UTC

22. How are the flight controls on a small single-engine piston aircraft normally controlled and actuated?

- a) Manually through rods and control cables
- b) Hydraulically through hydraulic pumps and actuators
- c) Electrically through fly-by-wire
- d) Power-assisted through hydraulic pumps or electric motors

23. Which of the following landing areas is most suitable for an off-field landing?

- a) A field with ripe waving crops
- b) A meadow without livestock
- c) A light brown field with short crops
- d) A lake with an undisturbed surface

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24. Before the launch using a parallel-cable winch, the glider pilot realizes the second cable lying close to his glider about to launch. What actions should be taken by the glider pilot?

- a) Keep an eye on second cable, decouple after take-off if necessary
- b) Continue launch with rudder input on opposite direction to second cable
- c) Conduct normal take-off, inform airfield controller after landing
- d) Decouple cable immediately, inform airfield controller via radio

25. After landing, you realize you lost your pen which might have fallen down in the cockpit of the sailplane. What has to be considered?

- a) Lighter, loose bodies in the fuselage can be considered uncritical
- b) Before next take-off, the cockpit has to be firmly inspected for loose bodies
- c) A flight without a pen at hand is not permitted
- d) Succeeding pilots have to be informed about that

26. The movement of air flowing apart is called...

- a) Convergence.
- b) Concordence.
- c) Subsidence.
- d) Divergence.

27. What is the subject of ICAO Annex 1?

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

28. 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

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29. Weather phenomena are most common to be found in which atmospheric layer?

- a) Tropopause
- b) Stratosphere
- c) Thermosphere
- d) Troposphere

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

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

31. What information is broadcasted on a VOLMET frequency?

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

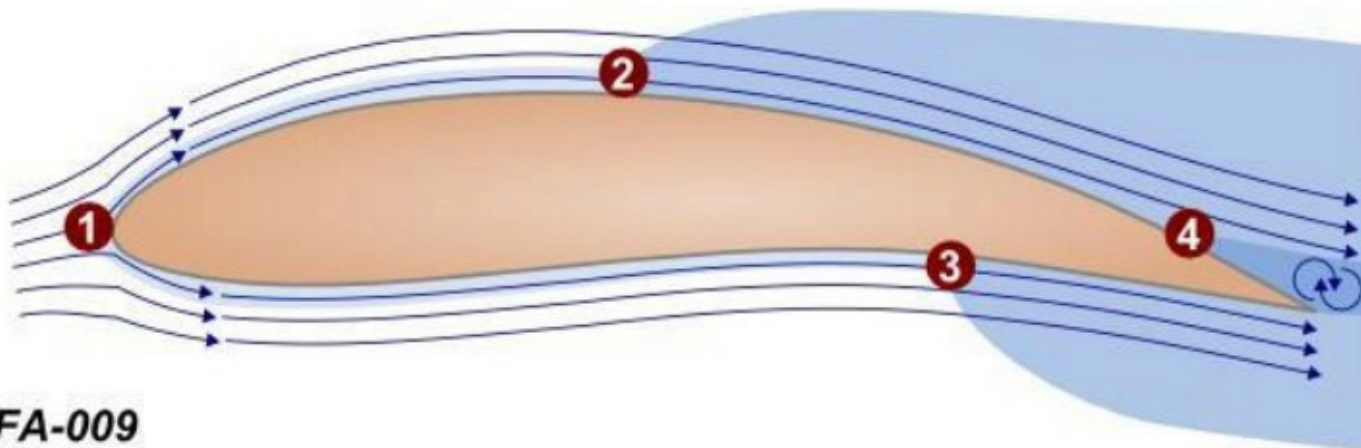
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32. Which point on the aerofoil is represented by number 1? See figure (PFA-009)



PFA-009

- a) Centre of pressure
- b) Stagnation point
- c) Separation point
- d) Transition point

33. During approach for landing with strong crosswind, how should the turn from base to final be flown?

- a) Turn with maximum 60° bank, carefully watch speed and yaw string, track correction after overshoot
- b) Maximum 30° bank, use rudder to early align sailplane with final track
- c) Maximum 60° bank, use rudder to early align sailplane with final track
- d) Turn with maximum 30° bank, carefully watch speed and yaw string, track correction after overshoot

34. Is it possible to enter airspace C with a glider plane?

- a) Yes, but only with transponder activated
- b) No
- c) With restrictions, in case of less air traffic
- d) Yes, but only with approval of the respective ATC unit

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35. Distress messages are messages...

- a) Concerning the safety of an aircraft, a watercraft or some other vehicle or person in sight
- b) Concerning the operation or maintenance of facilities which are important for the safety and regularity of flight operations
- c) Concerning aircraft and their passengers which face a grave and imminent threat and require assistance
- d) Sent by a pilot or an aircraft operating agency which have an imminent meaning for aircraft in flight

36. How is an air mass described when moving to Central Europe via the Russian continent during winter?

- a) Maritime tropical air
- b) Continental polar air
- c) Maritime polar air
- d) Continental tropical air

37. A frequency of 119.500 MHz is correctly transmitted as...

- a) One one niner decimal five zero
- b) One one niner decimal five zero zero
- c) One one niner decimal five
- d) One one niner thousand decimal five zero

38. What does a readability of 5 indicate?

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

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

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

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

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

41. The right aileron deflects upwards, the left downwards. How does the aircraft react?

- a) Rolling to the left, no yawing
- b) Rolling to the right, yawing to the left
- c) Rolling to the left, yawing to the right
- d) Rolling to the right, yawing to the right

42. Regularity messages are messages...

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

43. What is the difference in time when the sun moves 10° of longitude?

- a) 0:04 h
- b) 1:00 h
- c) 0:40 h
- d) 0:30 h

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

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

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45. 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) 6250 ft
- d) 6750 ft

46. What visual flight conditions can be expected within the warm sector of a polar front low during summer time?

- a) Good visibility, some isolated high clouds
- b) Moderate to good visibility, scattered clouds
- c) Visibility less than 1000 m, cloud-covered ground
- d) Moderate visibility, heavy showers and thunderstorms

47. What is the meaning of the abbreviation "TRA"?

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

48. What is the correct term for an involuntary and stereotypical reaction of an organism to the stimulation of a receptor?

- a) Reduction
- b) Coherence
- c) Virulence
- d) Reflex

49. What danger is most imminent when an aircraft is hit by lightning?

- a) Explosion of electrical equipment in the cockpit
- b) Surface overheat and damage to exposed aircraft parts
- c) Rapid cabin depressurization and smoke in the cabin
- d) Disturbed radio communication, static noise signals

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50. What landing technique is recommended for landing on a down-hill grass area?

- a) In general up-hill
- b) Diagonal down-hill
- c) With brakes applied on main wheel, no air brakes
- d) Full air brakes, gear retracted and stalled

51. Using annex PFP-061, which ICAO chart symbol indicates a group of unlighted obstacles?

- A
- B
- C
- D

PFP-061

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

52. What must be considered for cross-border flights?

- a) Transmission of hazard reports
- b) Requires flight plans
- c) Regular location messages
- d) Approved exceptions

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53. What change in thermal activity may be expected with cirrus clouds coming up from one direction and becoming more dense, blocking the sun?

- a) Cirrus clouds may intensify insolation and improve thermal activity
- b) Cirrus clouds indicate an high-level inversion with thermal activity ongoing up to that level
- c) Cirrus clouds prevent insolation and impair thermal activity.
- d) Cirrus clouds indicate instability and beginning of over-development

54. Which cockpit instruments are connected to the static port?

- a) Airspeed indicator, direct-reading compass, slip indicator
- b) Airspeed indicator, altimeter, direct-reading compass
- c) Altimeter, slip indicator, navigational computer
- d) Altimeter, vertical speed indicator, airspeed indicator

55. The centre of gravity (CG) defines...

- a) The point on the longitudinal axis or its extension from which the centres 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

56. Which phrase is to be used when a pilot wants the tower to know that he is ready for take-off?

- a) Ready for departure
- b) Request take-off
- c) Ready for start-up
- d) Ready

57. What is the advantage of differential aileron movement?

- a) The drag of the downwards deflected aileron is lowered and the adverse yaw is smaller
- b) The total lift remains constant during aileron deflection
- c) The ratio of the drag coefficient to lift coefficient is increased
- d) The adverse yaw is higher

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

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

59. What is meant by the term "terrestrial navigation"?

- a) Orientation by ground celestial object during visual flight
- b) Orientation by instrument readings during visual flight
- c) Orientation by ground features during visual flight
- d) Orientation by GPS during visual flight

60. Which statement about lift and angle of attack is correct?

- a) Increasing the angle of attack too far may result in a loss of lift and an airflow separation
- b) Increasing the angle of attack results in less lift being generated by the aerofoil
- c) Decreasing the angle of attack results in more drag being generated by the aerofoil
- d) Too large angles of attack can lead to an exponential increase in lift

61. Mountain side updrafts can be intensified by ...

- a) Solar irradiation on the lee side
- b) Thermal radiation of the windward side during the night
- c) Solar irradiation on the windward side
- d) Warming of upper atmospheric layers

62. The shown NOTAM is valid until... A) 1024/25 A) LOWW B) 2505211200 C) 2505211400 E) STOCKERAU VOR STO 113.00 UNSERVICEABLE.

- a) 13/10/2025 00:00 UTC
- b) 21/05/2026 13:00 UTC
- c) 21/05/2025 14:00 UTC
- d) 13/05/2025 12:00 UTC

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

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

64. What is the correct term for the system which, among others, controls breathing, digestion, and heart frequency?

- a) Critical nervous system
- b) Autonomic nervous system
- c) Automatical nervous system
- d) Compliant nervous system

65. The saturated adiabatic lapse rate should be assumed with a mean value of:

- a) 1,0° C / 100 m.
- b) 0,6° C / 100 m.
- c) 2° C / 1000 ft.
- d) 0° C / 100 m.

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

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

67. Baggage and cargo must be properly stowed and fastened, otherwise a shift of the cargo may cause...

- a) Calculable instability if the C.G. is shifting by less than 10 %
- b) Continuous attitudes which can be corrected by the pilot using the flight controls
- c) Structural damage, angle of attack stability, velocity stability
- d) Uncontrollable attitudes, structural damage, risk of injuries

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

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

69. Information about maximum allowed airspeeds can be found where?

- a) Airspeed indicator, cockpit panel and AIP part ENR
- b) POH, approach chart, vertical speed indicator
- c) POH and posting in briefing room
- d) POH, Cockpit panel, airspeed indicator

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

- a) 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.
- b) 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.
- 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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Response Scheme

Compare your answers with the following diagram and mark your score!

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

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Response form

Use this form to mark your answers

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