Exam simulation

SPL - Sailplane Pilot Licence, 120 questions on 120 minutes!

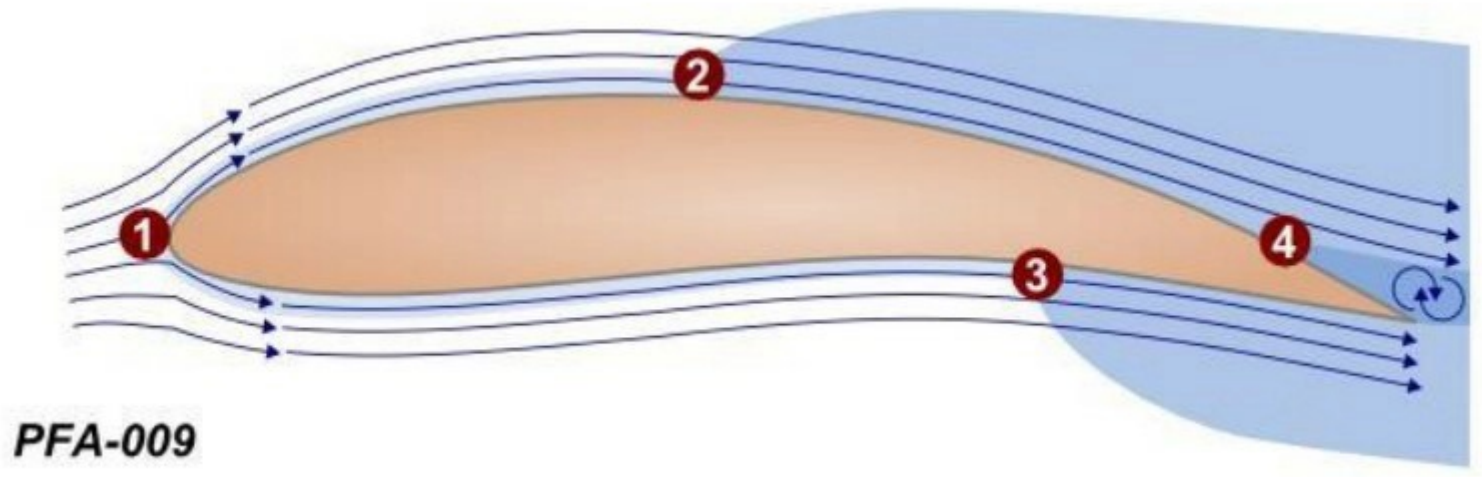
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STUDENT NAME:	DATE AND TIME:

01. What is the meaning of the 1:60 rule?

a) 6 NM lateral offset at 1° drift after 10 NM
b) 1 NM lateral offset at 1° drift after 60 NM
c) 10 NM lateral offset at 1° drift after 60 NM
d) 60 NM lateral offset at 1° drift after 1 NM

02. Which point on the aerofoil is represented by number 4? See figure (PFA-009)



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

03. What is the purpose of the secondary flight controls?

a) To improve the performance characteristics of an aircraft and relieve the pilot of excessive control forces
b) To improve the turn characteristics of an aircraft in the low speed regime during approach and landing
c) To enable the pilot to control the aircraft's movements about its three axes
d) To constitute a backup system for the primary flight controls

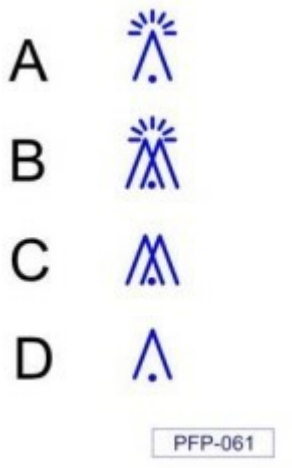
04. London (EGLL) is located at 000° 10'W, Cardiff (EGFF) at 003° 44'W. The latitude of both positions can be considered as equal. What is the difference of sunrise and sunset times, expressed in UTC, between London and Cardiff?

a) In London the sunrise is 4 minutes later and sunset is 4 minutes earlier than in Cardiff
b) In London the sunrise and sunset are about 14 minutes earlier than in Cardiff
c) In London the sunrise and sunset are about 4 minutes later than in Cardiff
d) In London the sunrise is 14 minutes earlier and sunset is 14 minutes later than in Cardiff

05. What is the required flight time for a distance of 236 NM with a ground speed of 134 kt?

a) 1:34 h
b) 0:34 h
c) 0:46 h
d) 1:46 h

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



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

07. Which approximate, geometrical form describes the shape of the Earth best for navigation systems?

a) Sphere of ecliptical shape
b) Flat plate
c) Perfect sphere
d) Ellipsoid

08. During a flight, a flight plan can be filed at the...

a) Search and Rescue Service (SAR)
b) Flight Information Service (FIS)
c) Next airport operator en-route
d) Aeronautical Information Service (AIS)

09. The sandwich structure consists of two...

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

10. The required data for a mass and balance calculation including masses and balance arms can be found in the...

a) Certificate of airworthiness
b) Mass and balance section of the pilot's operating handbook of this particular aircraft
c) Performance section of the pilot's operating handbook of this particular aircraft
d) Documentation of the annual inspection

11. At what rate does the temperature change with increasing height according to ISA (ICAO Standard Atmosphere) within the troposphere?

a) Decreases by 2° C / 1000 ft
b) Increases by 2° C / 100 m
c) Decreases by 2° C / 100 m
d) Increases by 2° C / 1000 ft

12. For TC 040°, TAS 180 kt and wind 350°/30 kt, how should the wind correction be expressed in plain language?

a) 7° left
b) 7° right
c) 3° right
d) 3° left

13. What difference in altitude is shown by an altimeter, if the reference pressure scale setting is changed from 1000 hPa to 1010 hPa?

a) Zero
b) 80 m less than before
c) 80 m more than before
d) Values depending on QNH

14. How can wind speed and wind direction be derived from surface weather charts?

a) By alignment and distance of isobaric lines
b) By annotations from the text part of the chart
c) By alignment and distance of hypsometric lines
d) By alignment of lines of warm- and cold fronts.

15. Which of the mentioned cockpit instruments is connected to the pitot tube?

a) Direct-reading compass
b) Altimeter
c) Vertical speed indicator
d) Airspeed indicator

16. What is the meaning of "DETRESFA"?

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

17. 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

18. Given: True course from A to B: 283°. Ground distance: 75 NM. TAS: 105 kt. Headwind component: 12 kt. Estimated time of departure (ETD): 1242 UTC. The estimated time of arrival (ETA) is...

a) 1330 UTC
b) 1356 UTC
c) 1430 UTC
d) 1320 UTC

19. The occurrence of a vertigo is most likely when moving the head...

a) During a turn
b) During a straight horizontal flight
c) During a climb
d) During a descent

20. The pressure compensation between wing upper and lower surfaces results in ...

a) Induced drag by wing tip vortices
b) Laminar airflow by wing tip vortices
c) Profile drag by wing tip vortices
d) Lift by wing tip vortices

21. When using a GPS for tracking to the next waypoint, a deviation indication is shown by a vertical bar and dots to the left and to the right of the bar. What statement describes the correct interpretation of the display?

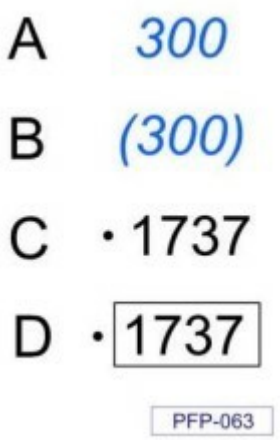
a) The deviation of the bar from the centre indicates the track error as angular distance in degrees; the scale for full deflection depends on the operating mode of the GPS

b) The deviation of the bar from the centre indicates the track error as absolute distance in NM; the scale for full deflection depends on the operating mode of the GPS

c) The deviation of the bar from the centre indicates the track error as angular distance in degrees; the scale for full deflection is +-10°

d) The deviation of the bar from the centre indicates the track error as absolute distance in NM; the scale for full deflection is +-10 NM

22. Using annex PFP-063, which ICAO chart symbol indicates a general spot elevation?



a) D

b) C

c) B

d) A

23. The mass loaded on the plane is lower than the minimum load required by the load sheet. What action has to be taken?

a) Trim aircraft to "pitch down"

b) Change pilot seat position

c) Change incident angle of elevator

d) Load ballast weight up to minimum load

24. Given: TC: 179°; WCA: -12°; VAR: 004° E; DEV: +002° What are MH and MC?

a) MH: 163°. MC: 175°
b) MH: 167°. MC: 161°
c) MH: 163°. MC: 161°
d) MH: 167°. MC: 175°

25. 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

26. Which answer is correct concerning stress?

a) Everybody reacts to stress in the same manner
b) Stress and its different symptoms are irrelevant for flight safety
c) Stress can occur if there seems to be no solution for a given problem
d) Training and experience have no influence on the occurrence of stress

27. The aerodynamic rudder balance...

a) Reduces the control surfaces
b) Delays the stall
c) Reduces the control stick forces
d) Improves the rudder effectiveness

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

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

29. Pressure drag, interference drag and friction drag belong to the group of the...

a) Parasite drag
b) Main resistance
c) Induced drag
d) Total drag

30. What is indicated by a pattern of longitudinal stripes of uniform dimensions disposed symmetrically about the centreline of a runway?

a) At this point the glide path of an ILS hits the runway
b) Do not touch down before them
c) Do not touch down behind them
d) A ground roll could be started from this position

31. Which dangerous attitudes are often combined?

a) Invulnerability and self-abandonment
b) Self-abandonment and macho
c) Macho and invulnerability
d) Impulsivity and carefulness

32. The distance between the centre of gravity and the datum is called...

a) Lever
b) Torque
c) Span width
d) Balance arm

33. What is meant by "isothermal layer"?

a) An atmospheric layer where temperature decreases with increasing height
b) An atmospheric layer with constant temperature with increasing height
c) A boundary area between two other layers within the atmosphere
d) An atmospheric layer where temperature increases with increasing height

34. 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) 238°
b) 245°
c) 252°
d) 007°

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

a) +20° to -5° C
b) -20° to -40° C
c) .+5° to -10° C
d) 0° to -12° C

36. The fuselage structure may be damaged by...

a) Airspeed decreasing below a certain value
b) Neutralizing stick forces according to actual flight state
c) Exceeding the manoeuvring speed in heavy gusts
d) Stall after exceeding the maximum angle of attack

37. 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

38. The term "runway" is defined as a...

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

39. What does a readability of 2 indicate?

a) The transmission is readable but with difficulty

b) The transmission is unreadable

c) The transmission is perfectly readable

d) The transmission is readable now and then

40. The vertical speed indicator measures the difference of pressure between...

a) The present dynamic pressure and the dynamic pressure of a previous moment

b) The present total pressure and the total pressure of a previous moment

c) The present dynamic pressure and the static pressure of a previous moment

d) The present static pressure and the static pressure of a previous moment

41. 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 apparent 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

42. The term "moment" with regard to a mass and balance calculation is referred to as...

a) Sum of a mass and a balance arm

b) Difference of a mass and a balance arm

c) Quotient of a mass and a balance arm

d) Product of a mass and a balance arm

43. 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 down

b) The trim tab moves down, the elevator moves up

c) The trim tab moves up, the elevator moves up

d) The trim tab moves down, the elevator moves down

44. Deflecting the rudder to the left causes...

a) Pitching of the aircraft to the left
b) Yawing of the aircraft to the left
c) Pitching of the aircraft to the right
d) Yawing of the aircraft to the right

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

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

46. The laminar boundary layer on the aerofoil is located between...

a) The stagnation point and the centre of pressure
b) The stagnation point and the transition point
c) The transition point and the separation point
d) The transition point and the centre of pressure

47. The term "flight time" is defined as...

a) The period from engine start for the purpose of taking off to leaving the aircraft after engine shutdown
b) The period from the start of the take-off run to the final touchdown when landing
c) The total time from the first aircraft movement until the moment it finally comes to rest at the end of the flight
d) The total time from the first take-off until the last landing in conjunction with one or more consecutive flights

48. What frontal line divides subtropical air from polar cold air, in particular across Central Europe?

a) Warm front
b) Cold front
c) Occlusion
d) Polar front

49. What is the correct way of acknowledging "You are now entering airspace Delta"?

a) Roger
b) Airspace Delta
c) Wilco
d) Entering

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

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

51. How can dangerous situations be prevented when the sailplane approaches close to a pattern altitude during a cross-country flight?

a) Try to reach cumulus clouds visible at the far horizon and use their thermal updrafts
b) Despite the planned flight, decide for an off-field landing
c) Maintain radio communication up to full stop after off-field landing
d) Search for thermal updrafts on the lee side of a selected landing field

52. Which air traffic service is responsible for the safe conduct of flights?

a) ATC (air traffic control)
b) AIS (aeronautical information service)
c) ALR (alerting service)
d) FIS (flight information service)

53. During approach to the next updraft, the vertical speed indicator reads 3 m/s descent. Within the updraft you expect a mean rate of climb of 2 m/s. According to McCready, how should you adjust the speed during approach of the updraft?

a) The McCready ring should be set to 2 m/s, the recommended speed can be read at the McCready scale next to the sum of current rate of descent at expected rate of climb (5 m/s)

b) The McCready ring should be set to 3 m/s, the recommended speed can be read at the McCready scale next to the expected rate of climb (2 m/s)

c) The McCready ring should be set to 2 m/s, the recommended speed can be read at the McCready scale next to the current rate of descent (3 m/s)

d) Outside of thermal cells, the McCready ring should be set to 0 m/s, the recommended speed can be read at the McCready scale next to the current rate of descent (3 m/s)

54. What is a latent error?

a) An error which only has consequences after landing

b) An error which has an immediate effect on the controls

c) An error which is made by the pilot actively and consciously

d) An error which remains undetected in the system for a long time

55. During flight close to aerodrome in about 250 m AGL you encounter strong descent and go for a safety landing. What speed should be flown when heading towards the airfield?

a) Best glide speed plus additionals for downdrafts and wind

b) Best glide speed

c) Minimum rate of descent speed

d) Maximum manoeuvering speed VA

56. A risk factor for decompression sickness is...

a) Sports

b) 100 % oxygen after decompression

c) Scuba diving prior to flight.

d) Smoking

57. Which of the following qualities are influenced by stress? 1. Attention 2. Concentration 3. Responsiveness 4. Memory

a) 1, 2, 3

b) 2, 4

c) 1

d) 1, 2, 3, 4

58. 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) 202 NM

c) 375 NM

d) 435 NM

59. An aircraft is following a true course (TC) of 040° at a constant true airspeed (TAS) of 180 kt. The wind vector is 350°/30 kt. The groundspeed (GS) equals...

a) 155 kt

b) 172 kt

c) 168 kt

d) 159 kt

60. Trim masses or lead plates must be secured firmly when installed into a sailplane, so that...

a) The maximum allowed mass will not be exceeded

b) A comfortable seat position will be assured for the glider pilot

c) They will not block rudders or induce any C.G. shift

d) The glider pilot will not be hurt during flight in thermal turbulences

61. Which are the properties of a Lambert conformal chart?

a) The chart is conformal and an equal-area projection

b) Great circles are depicted as straight lines and the chart is an equal-area projection

c) Rhumb lines are depicted as straight lines and the chart is conformal

d) The chart is conformal and nearly true to scale

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

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

63. During a winch launch, just after stabilizing full climb attitude, the pull on cable suddenly stops. What action should be taken by the glider pilot?

a) Push slightly, wait for pull on cable to be re-established
b) Inform winch driver by alternate aileron input
c) Push firmly and decouple cable immediately
d) Pull on elevator to increases cable tension

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

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

65. How should a glider plane be parked when observing strong winds?

a) Nose into the wind, keep and weigh tail down
b) Nose into the wind, extend air brakes, secure rudders
c) Downwind wing on the ground, weigh wing down, secure rudders
d) Windward wing on the ground, weigh wing down, secure rudders

66. With Central European Summer Time (CEST) given as UTC+2, what UTC time corresponds to 1600 CEST?

a) 1600 UTC
b) 1700 UTC
c) 1500 UTC
d) 1400 UTC

67. At which altitude is the atmospheric pressure approximately half the MSL value (1013 hPa)?

a) 18000 ft

b) 22000 ft

c) 10000 ft

d) 5000 ft

68. The angle of descent is defined as...

a) The ratio between the change in height and the horizontal distance travelled within the same time, expressed in percent [%]

b) The angle between a horizontal plane and the actual flight path, expressed in degrees [°]

c) The angle between a horizontal plane and the actual flight path, expressed in percent [%]

d) The ratio between the change in height and the horizontal distance travelled within the same time, expressed in degrees [°]

69. Given: True course from A to B: 352°. Ground distance: 100 NM. GS: 107 kt. Estimated time of departure (ETD): 0933 UTC. The estimated time of arrival (ETA) is...

a) 1045 UTC

b) 1029 UTC

c) 1129 UTC

d) 1146 UTC

70. For what approximate time period can the short-time memory store information?

a) 3 to 7 seconds

b) 10 to 20 seconds

c) 35 to 50 seconds

d) 30 to 40 seconds

71. What structural item provides lateral stability to an aeroplane?

a) Wing dihedral

b) Vertical tail

c) Differential aileron deflection

d) Elevator

72. Which factor can lead to human error?

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

73. During initial winch launch, one wing of a glider plane gets ground contact. What action should be taken by the glider pilot?

a) Pull the elevator
b) Decouple cable immediately
c) Rudder in opposite direction
d) Ailerons in opposite direction

74. An aircraft is flying with a true airspeed (TAS) of 120 kt and experiences 35 kt tailwind. How much time is needed for a distance of 185 NM?

a) 1 h 12 min
b) 2 h 11 min
c) 0 h 50 min
d) 1 h 32 min

75. What is the status of the rules and procedures created by the EASA? (e.g. Part-SFCL, Part-MED)

a) They are not legally binding, they only serve as a guide
b) Only after a ratification by individual EU member states they are legally binding
c) They are part of the EU regulation and legally binding to all EU member states
d) They have the same status as ICAO Annexes

76. From which altitude on does the body usually react to the decreasing atmospheric pressure?

a) 2000 feet
b) 10000 feet
c) 12000 feet
d) 7000 feet

77. What weather conditions can be expected during "Foehn" on the windward side of a mountain range?

a) Layered clouds, mountains obscured, poor visibility, moderate or heavy rain
b) Dissipating clouds with unusual warming, accompanied by strong, gusty winds
c) Calm wind and forming of high stratus clouds (high fog)
d) Scattered cumulus clouds with showers and thunderstorms

78. An aircraft must be loaded and operated in such a way that the centre 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) Both stability and controllability of the aircraft
c) That the aircraft does not tip over on its tail while it is being loaded.
d) That the aircraft does not stall.

79. 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

80. Carbon monoxide poisoning can be caused by...

a) Alcohol
b) Unhealthy food
c) Little sleep
d) Smoking

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

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

82. What kind of defect results in loss of airworthiness of an aeroplane?

a) Dirty wing leading edge
b) Crack in the cabin hood plastic
c) Scratch on the outer painting
d) Damage to load-bearing parts

83. 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)

84. What is the correct designation of the frequency band from 118.000 to 136.975 MHz used for voice communication?

a) MF
b) LF
c) HF
d) VHF

85. What cloud type does the picture show? See figure (MET-002).



a) Stratus
b) Cirrus
c) Altus
d) Cumulus

86. 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

87. What is the great circle distance between two points A and B on the equator when the difference between the two associated meridians is exactly one degree of longitude?

a) 400 NM
b) 120 NM
c) 216 NM
d) 60 NM

88. The angle between compass north and magnetic north is called...

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

89. While planning a 500 km triangle flight, there is a squall line 100 km west of the departure airfield, extending from north to south, moving east. Concerning the weather situation, what decision would be recommendable?

a) To change plans and start the triangle heading east
b) To postpone the flight to another day
c) To plan the flight below cloud base of the thunderstorms
d) During flight, to look for spacing between thunderstorms

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

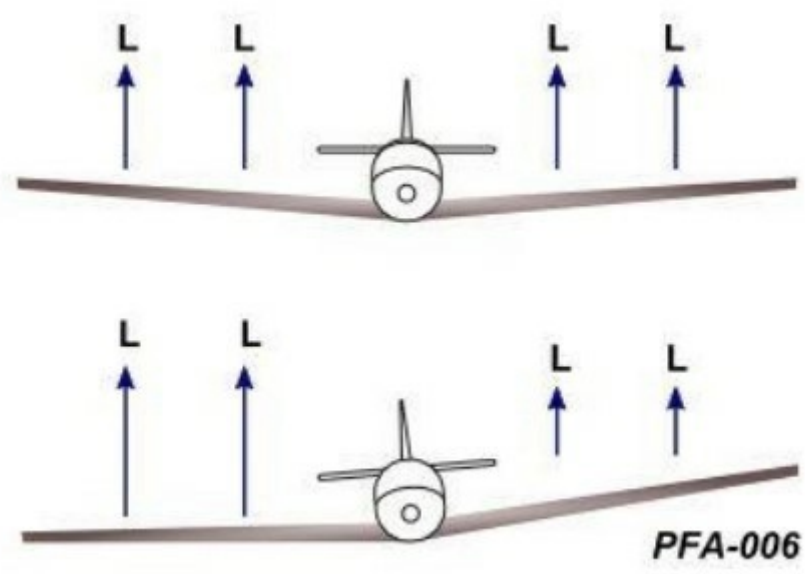
91. Which answer contains every state of water found in the atmosphere?

a) Liquid, solid, and gaseous
b) Liquid
c) Gaseous and liquid
d) Liquid and solid

92. When landing with tailwind, the pilot has to...

a) Approach with normal speed and shallow angle
b) Compensate tailwind by sideslip
c) Increase approach speed
d) Land with gear retracted to shorten ground roll distance

93. Which constructive feature is shown in the figure? See figure (PFA-006) L: Lift



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

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

a) Centre of gravity
b) Lift point
c) Transition point
d) Centre of pressure

95. What does a cloud coverage of "SCT" mean in a METAR weather report?

a) 5 to 7 eighths
b) 8 eighths
c) 3 to 4 eighths
d) 1 to 2 eighths

96. A movement around the longitudinal axis is primarily initiated by the...

a) Elevator
b) Ailerons
c) Trim tab
d) Rudder

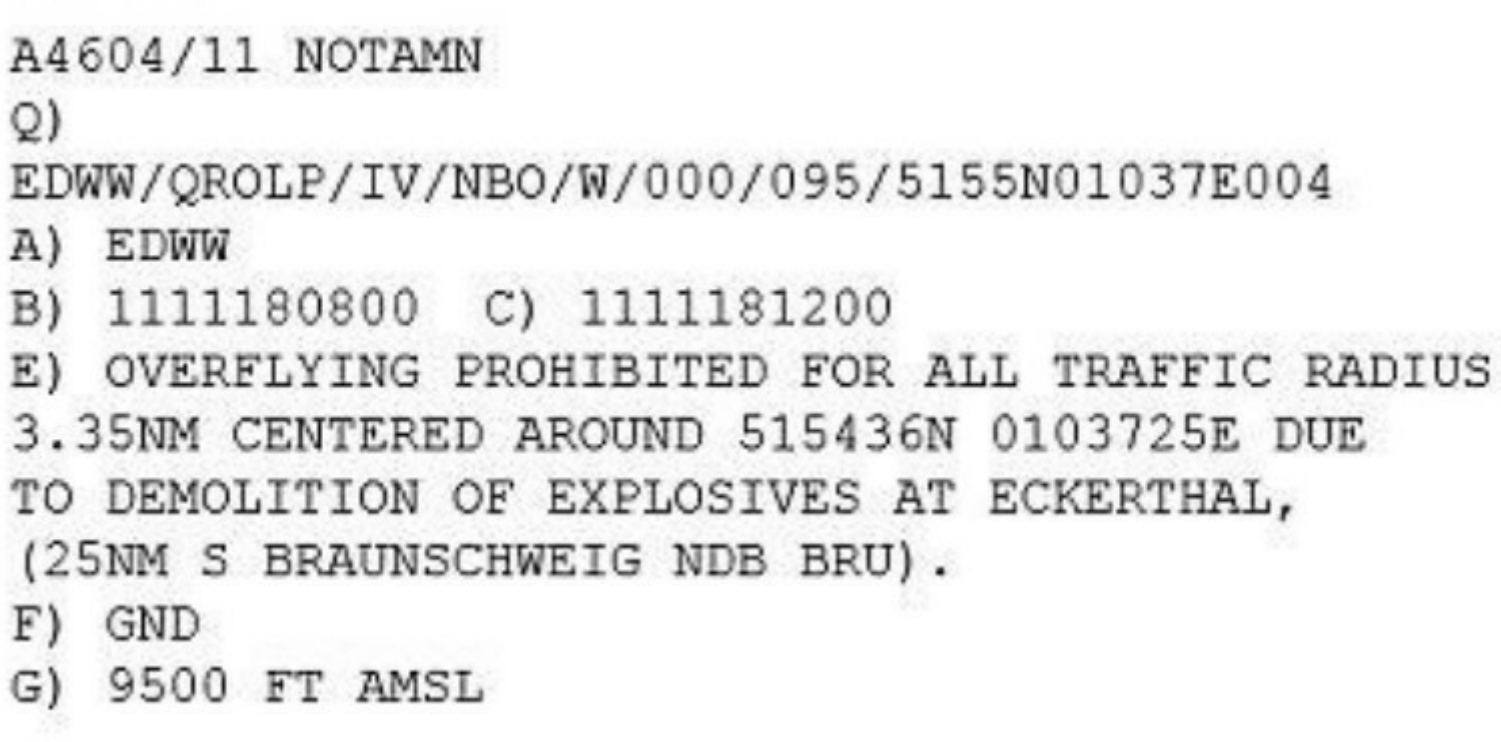
97. The correct transponder code for emergencies is...

a) 7600
b) 7500
c) 7700
d) 7000

98. What are the primary and the secondary effects of a rudder input to the left?

a) Primary: yaw to the right Secondary: roll to the left
b) Primary: yaw to the left Secondary: roll to the left
c) Primary: yaw to the right Secondary: roll to the right
d) Primary: yaw to the left Secondary: roll to the right

99. Up to which altitude is an overflight prohibited according to the NOTAM? See figure (PFP-024)



a) Altitude 9500 ft MSL
b) Flight Level 95
c) Altitude 9500 m MSL
d) Height 9500 ft

100. Where is interference drag generated?

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

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

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

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

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

103. Which of the following options states the working principle of a vertical speed indicator?

a) Measuring the present static air pressure and comparing it to the static air pressure inside a reservoir
b) Measuring the vertical acceleration through the displacement of a gimbal-mounted mass
c) Total air pressure is measured and compared to static pressure
d) Static air pressure is measured and compared against a vacuum

104. What weather conditions can be expected in high pressure areas during winter?

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

105. Given: Ground speed (GS): 160 kt. True course (TC): 177°. Wind vector (W/WS): 140°/20 kt. The true heading (TH) equals...

a) 180°
b) 173°
c) 169°
d) 184°

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

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

107. Two aeroplanes are flying on crossing tracks. Which one has to divert?

a) Both have to divert to the left
b) The aircraft which flies from left to right has the right of priority
c) Both have to divert to the right
d) The aircraft which flies from right to left has the right of priority

108. When commencing a steep turn, what has to be considered by the pilot?

a) After achieving bank angle, reduce yaw using opposite rudder
b) Commence turn with reduced speed according to aimed bank angle
c) Commence turn with increased speed according to aimed bank angle
d) After achieving bank angle, push the elevator to increase speed

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

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

110. When must the information in an ATIS message be updated?

a) Only at fixed 30-minute intervals, regardless of changes.
b) Only at fixed 60-minute intervals, regardless of changes.
c) Immediately when a significant change occurs.
d) Only when a pilot requests a new broadcast.

111. In which situation is radio mandatory zone (RMZ) entry allowed without establishing radio contact?

a) There are other aircraft in the aerodrome circuit
b) It is the aerodrome of departure
c) It is the destination aerodrome
d) Approval has been granted before

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

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

113. 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

114. The circumference of the Earth at the equator is approximately... See figure (NAV-002)



a) 10800 km
b) 12800 km
c) 21600 NM
d) 40000 NM

115. What information can be found in the ATIS, but not in a METAR?

a) Operational information such as runway in use and transition level

b) Information about current weather, for example types of precipitation

c) Approach information, such as ground visibility and cloud base

d) Information about mean wind speeds, maximum speeds in gusts if applicable

116. Clouds in high layers are referred to as...

a) Cirro-.

b) Strato-.

c) Nimbo-.

d) Alto-.

117. Pressure compensation on a wing occurs at the...

a) Wing tips

b) Leading edge

c) Trailing edge

d) Wing roots

118. 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.

119. The character of an air mass is given by what properties?

a) Wind speed and tropopause height

b) Environmental lapse rate at origin

c) Region of origin and track during movement

d) Temperatures at origin and present region

120. 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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Response Scheme

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

01: **B**	02: **D**	03: **A**	04: **B**
05: **D**	06: **D**	07: **D**	08: **B**
09: **C**	10: **B**	11: **A**	12: **A**
13: **C**	14: **A**	15: **D**	16: **A**
17: **A**	18: **A**	19: **A**	20: **A**
21: **B**	22: **B**	23: **D**	24: **A**
25: **D**	26: **C**	27: **C**	28: **A**
29: **A**	30: **B**	31: **C**	32: **D**
33: **B**	34: **C**	35: **D**	36: **C**
37: **C**	38: **C**	39: **D**	40: **D**
41: **B**	42: **D**	43: **B**	44: **B**
45: **C**	46: **B**	47: **C**	48: **D**
49: **A**	50: **D**	51: **B**	52: **A**
53: **C**	54: **D**	55: **A**	56: **C**
57: **D**	58: **C**	59: **D**	60: **C**
61: **D**	62: **A**	63: **C**	64: **C**
65: **D**	66: **D**	67: **A**	68: **B**
69: **B**	70: **B**	71: **A**	72: **B**
73: **B**	74: **A**	75: **C**	76: **D**
77: **A**	78: **B**	79: **D**	80: **D**
81: **C**	82: **D**	83: **D**	84: **D**

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85: **D**	86: **A**	87: **D**	88: **C**
89: **B**	90: **A**	91: **A**	92: **A**
93: **A**	94: **D**	95: **C**	96: **B**
97: **C**	98: **B**	99: **A**	100: **C**
101: **C**	102: **B**	103: **A**	104: **A**
105: **B**	106: **C**	107: **D**	108: **C**
109: **D**	110: **C**	111: **D**	112: **D**
113: **D**	114: **C**	115: **A**	116: **A**
117: **A**	118: **C**	119: **C**	120: **A**

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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:
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109: 110: 111: 112:

113: 114: 115: 116:

117: 118: 119: 120:

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