Exam simulation

BPL Hot-Air Balloon Pilot Licence, 120 questions on 120 minutes!

Quizvds.it

STUDENT NAME:	DATE AND TIME:

01. Electronic devices on board of an aeroplane have influence on the...

a) Direct reading compass

b) Artificial horizon

c) Airspeed indicator

d) Turn coordinator

02. 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) 60 NM

b) 216 NM

c) 400 NM

d) 120 NM

03. What weather is likely to be experienced during "Foehn" in the Bavarian area close to the Alps?

a) High pressure area overhead Biscay and low pressure area in Eastern Europe

b) Nimbostratus cloud in the southern Alps, rotor clouds at the lee side, warm and dry wind

c) Cold, humid downhill wind on the lee side of the Alps, flat pressure pattern

d) Nimbostratus cloud in the northern Alps, rotor clouds at the windward side, warm and dry wind

04. What cloud sequence can typically be observed during the passage of a warm front?

a) Squall line with showers of rain and thunderstorms (Cb), gusting wind followed by cumulus clouds with isolated showers of rain

b) Wind becoming calm, dissipation of clouds and warming during summer; formation of extended high fog layers during winter

c) Cirrus, thickening altostratus and altocumulus clouds, lowering cloud base with rain, nimbostratus

d) In coastal areas during daytime wind from the coast and forming of cumulus clouds, dissipation of clouds during evening and night

05. The force resulting from the (positive) difference from load-bearing capacity and weight force, is referred to as:

a) Upper force
b) Lift force
c) Load force
d) Climb force

06. During a flight in colder-than-ISA air the indicated altitude is...

a) Lower than the true altitude
b) Higher than the true altitude
c) Equal to the standard altitude
d) Equal to the true altitude

07. What is a latent error?

a) An error which has an immediate effect on the controls
b) An error which is made by the pilot actively and consciously
c) An error which remains undetected in the system for a long time
d) An error which only has consequences after landing

08. Changing the shape of the envelope of a free balloon, e.g. by a gust, results in:

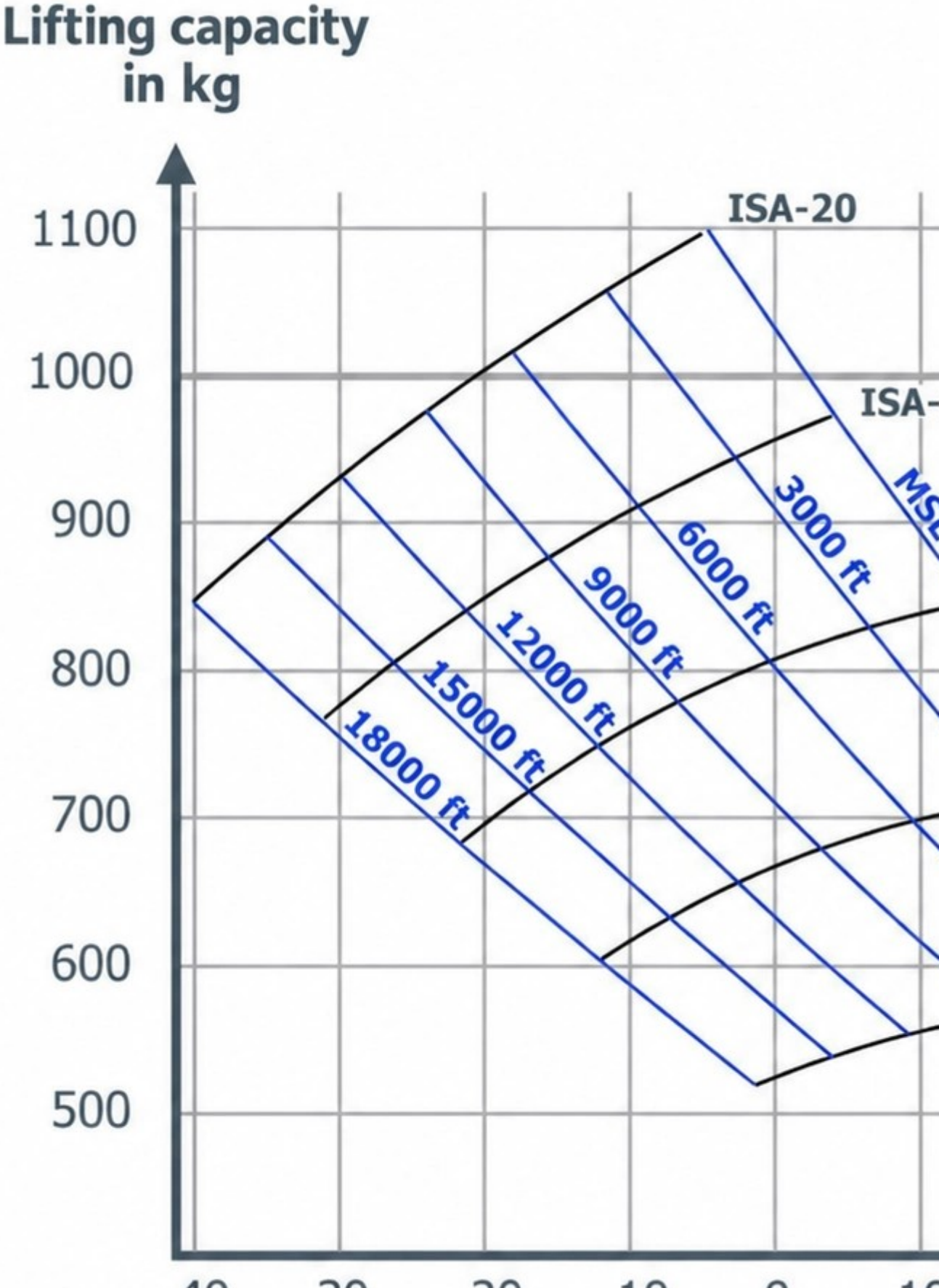
a) Increase in lift
b) Decrease in volume
c) Increase of displaced air
d) Decrease in weight

09. What has to be expected during descent above a heated water surface?

a) The rate of descent increases
b) The rate of descent decreases
c) The horizontal speed increases
d) The horizontal speed decreases

10. Given the following masses: Empty mass 260 kg Instruments 20 kg per gas container (full): 30 kg per person: 80 kg Assuming temperature ISA+10, how many persons may be carried in the basket at maximum, if the hot-air balloon with 4 gas containers has to climb up to pressure altitude 12000 ft ? (use attachment ECQB-PPL_BPL001)

Extract from the



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

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

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

12. With pressure and temperature given, any gas being heavier or lighter than air depends on what?

a) On the mean kinetic energy of the molecules
b) On the molecule mass of the gas
c) On the content of water vapour in the gas
d) On the number of gas molecules

13. What phrase is used by a pilot to inform the tower about a go-around?

a) Approach canceled
b) Going around
c) No landing
d) Pulling up

14. Which area could be crossed with certain restrictions?

a) Restricted area
b) No-fly zone
c) Prohibited area
d) Dangerous area

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

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

16. What has to be considered before touchdown of a hot-air balloon during landing?

a) Inform the followers
b) Note the time
c) Cut off gas feed to the ignition flames
d) Turn off the radio

17. What is the relationship between pressure and volume of a dry gas at constant temperature?

a) The volume increases proportional with pressure
b) The volume increases by a factor of 4 with double pressure
c) The ratio between pressure and volume is constant
d) The volume is inversely proportional to pressure

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

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

19. What pressure pattern can be observed when a cold front is passing?

a) Continually decreasing pressure
b) Shortly decreasing, thereafter increasing pressure
c) Constant pressure pattern
d) Continually increasing pressure

20. The ratio between air pressures at different heights is referred to as:

a) Pressure number
b) Height value
c) Height ratio
d) Height number

21. What are primary criteria for selecting a landing site? 1. Obstacle situation 2. Elevation of the site 3. Strength of surface wind

a) 2 and 3
b) 1, 2 and 3
c) 1 and 2
d) 1 and 3

22. How do dew point and relative humidity change with decreasing temperature?

a) Dew point increases, relative humidity decreases
b) Dew point remains constant, relative humidity decreases
c) Dew point remains constant, relative humidity increases
d) Dew point decreases, relative humidity increases

23. The dry adiabatic lapse rate has a value of...

a) 1.0° C / 100 m
b) 0.6° C / 100 m
c) 0.65° C / 100 m
d) 2° / 1000 ft

24. What wind conditions should be expected in the vicinity of showers or thunderstorms?

a) Steady wind from direction of shower
b) Steady wind into direction of shower
c) Strong gust from variable directions
d) Calm winds during passage of a shower

25. How many suitably positioned GPS satellites are needed for a basic three-dimensional position solution, without a separate RAIM integrity check?

a) Four
b) Five
c) Two
d) Three

26. How does a gas react when released from a pressurized container?

a) The gas cools adiabatically due to expansion
b) The gas cools due to thermal contact with environmental air
c) The gas heats adiabatically due to expansion
d) The gas condenses inside the envelope

27. Temperatures will be given by meteorological aviation services in Europe in which unit?

a) Degrees Centigrade (° C)
b) Degrees Fahrenheit
c) Gpdam
d) Kelvin

28. What has to be done in case the balloon shows a strong tendency to climb while crossing thermals?

a) It must be heated continuously to maintain hull temperature
b) It must be heated stronger than usual
c) The burner has to be cut off immediately
d) The pull-rope has to be actuated immediately

29. Under what conditions may class D airspace be entered with a radio failure?

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

30. What is the minimum flight visibility in airspace "C" below FL 100 for an aircraft operating under VFR?

a) 5 km

b) 1.5 km

c) 10 km

d) 8 km

31. How do spread and relative humidity change with increasing temperature?

a) Spread increases, relative humidity increases

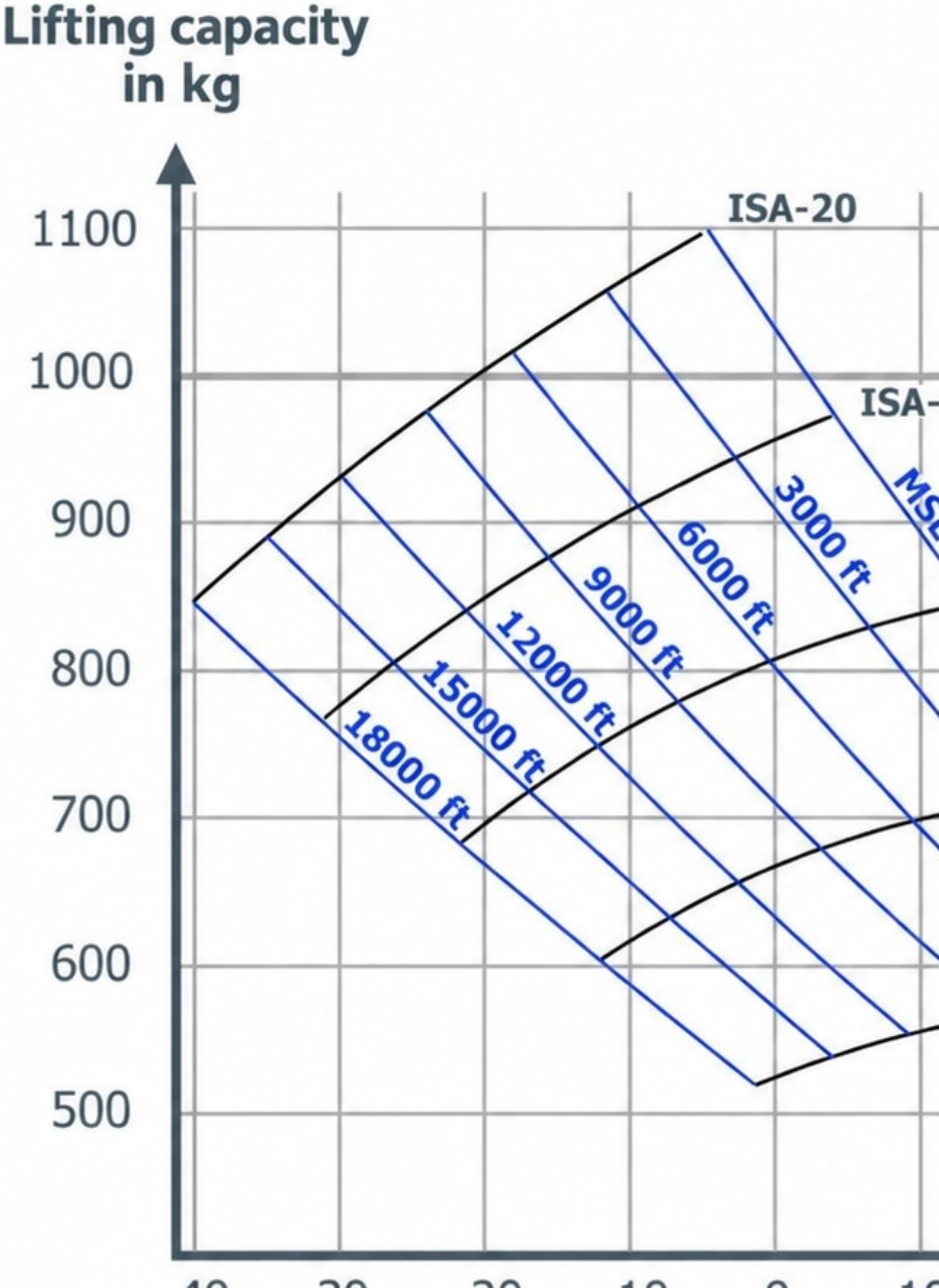
b) Spread remains constant, relative humidity increases

c) Spread remains constant, relative humidity decreases

d) Spread increases, relative humidity decreases

32. Given the following masses: Empty mass 260 kg Instruments 20 kg per gas container (full): 30 kg per person: 80 kg Assuming ISA temperatures, how many persons may be carried in the basket at maximum, if the hot-air balloon with 4 gas containers has to climb up to pressure altitude 9000 ft ? (use attachment ECQB-PPL_BPL001)

Extract from the



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

33. According ISA, what is the density of air at MSL?

a) 1.225 g/m3
b) 1225 kg/m3
c) 12.25 kg/m3
d) 1.225 kg/m3

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

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

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

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

36. Where does the inclination reach its lowest value?

a) At the geographic equator
b) At the magnetic poles
c) At the magnetic equator
d) At the geographic poles

37. The Empty Mass of a gas balloon includes:

a) Ballast packages, basket, hull, valve and towing rope
b) Basket, burner, ballast packages, hull, net and towing rope
c) Basket, basket ring, valve, net, hull and towing rope
d) Burner, ballast packages, instruments, net and towing rope

38. What action has to be taken by the pilot of a hot-air balloon in case of fire on the ground? First action is to ...

a) Make an emergency call via radio
b) Leave from the area surrounding the burner
c) Close the valves of the gas containers
d) Engage the fire extinguishers

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

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

40. What action has to be considered by the pilot of a hot-air balloon with a double-burner installation, in case one burner valve fails?

a) An emergency call should be made
b) Both burner valves have to be shut down immediately
c) The ride has to be stopped immediately
d) The ride can be continued by use of the remaining burner

41. The vertical extent of air with pressure changing by 1% with 80 m difference in height is referred to as ...

a) Inhomogeneous
b) Homogeneous
c) Unstable
d) Stable

42. During a balloon ride, visibility continuously becomes poorer, also cloud base decreases in direction of the current track. How should the balloon pilot react to this situation?

a) Continue ride in remaining altitude
b) Use GPS or radio navigation to continue ride in clouds
c) Use next best chance for landing
d) Break through the clouds and continue above clouds

43. What is the purpose of the sounding pipe valve?

a) It allows pressure equalization during cruise at high altitude
b) To indicate the volumetric filling limit
c) It prevents air from entering the burner system
d) For venting the liquid gas container bottle

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

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

45. What has to be expected when diving into an inversion layer from above?

a) Rate of descent increases
b) Rate of descent decreases
c) Sudden drop onto the ground
d) Uncontrollable oscillation of the basket

46. What cause may result in a reduction of volume of a free balloon?

a) Reduction in mass
b) A gust
c) Cooling of environment air
d) Increase in hull temperature

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

a) 2° C / 1000 ft
b) 1.0° C / 100 m
c) 0.6° C / 100 m
d) 0° C / 100 m

48. The "Certificate of Airworthiness" is issued by the state...

a) Of the residence of the owner
b) In which the aircraft is registered
c) In which the airworthiness review is done
d) In which the aircraft is constructed

49. What is the function of the red blood cells (erythrocytes)?

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

50. What effect has the elevation above MSL of an airfield on the carrying force and maximum take-off mass of a balloon?

a) The higher the elevation, the lower the carrying force
b) The lower the elevation, the lower the maximum take-off mass
c) The lower the elevation, the higher the maximum take-off mass
d) The higher the elevation, the greater the carrying force

51. The final sinkrate of a hot-air balloon is achieved after descent over a vertical distance of:

a) 1000 - 2000 m
b) 50 - 100 m
c) 250 - 450 m
d) 500 - 1000 m

52. Measured pressure distribution in MSL and corresponding frontal systems are displayed by the...

a) Significant Weather Chart (SWC)
b) Prognostic chart
c) Surface weather chart
d) Hypsometric chart

53. Which gas is heavier than air?

a) Hydrogen
b) Propane
c) Helium
d) Illuminating gas

54. While overflying a waypoint, it is stated that a distance of 2 NM has been taken 10 min. What will be the expected time of endurance for the complete distance of 18 NM?

a) 60 min
b) 12 min
c) 180 min
d) 90 min

55. Which stage of a thunderstorm is dominated by updrafts?

a) Upwind stage

b) Cumulus stage

c) Mature stage

d) Dissipating stage

56. The ongoing process to monitor the current flight situation is called...

a) Anticipatory check procedure

b) Situational thinking

c) Constant flight check

d) Situational awareness

57. When the risk assessment for a balloon flight over water calls for individual flotation equipment, what does AMC2 BOP.BAS.340 recommend?

a) One shared life jacket for the whole basket

b) Life jackets for passengers only, excluding the crew

c) A lifeboat as an automatic replacement for every individual flotation device

d) A life jacket or equivalent individual flotation device for every person on board, readily accessible or worn, with a means of electric illumination

58. What has to be expected by the balloon pilot during descent in deeply cooled layers close to the ground?

a) Balloon starts to climb

b) Sudden change in airspeed

c) Increasing descent while entering to ground layers

d) Floating on top of the cold air layer

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

a) Avoid, reduce, delay, accept

b) Detect, report, monitor, ignore

c) Accept, continue, improvise, review

d) Avoid, reduce, transfer, accept

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



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

61. What is the meaning of the phrase "Roger"?

a) Permission for proposed action is granted
b) I understand your message and will comply with it
c) An error has been made in this transmission. The correct version is...
d) I have received all of your last transmission

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

a) The chart is conformal and nearly true to scale
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 an equal-area projection

63. What is the correct way of establishing radio communication between D-EAZF and Dusseldorf Tower?

a) Dusseldorf Tower over
b) DEAZF is calling Dusseldorf Tower
c) Tower from D-EAZF
d) Dusseldorf Tower D-EAZF

64. At time of take-off, ground wind speed is 2 m/s. Along take-off flight path, at a distance of 320 m obstacles erect up to 30 m. What is the minimum rate of climb to keep a clearance of 50 m above the obstacles? (Consider double the ground wind speed for the flight path)

a) 1 m/s
b) 1.5 m/s
c) 2 m/s
d) 0.5 m/s

65. What weather conditions may be expected during conditionally unstable conditions?

a) Towering cumulus, isolated showers of rain or thunderstorms
b) Layered clouds up to high levels, prolonged rain or snow
c) Shallow cumulus clouds with base at medium levels
d) Sky clear of clouds, sunshine, low winds

66. What type of turbulence is typically found close to the ground on the lee side during Foehn conditions?

a) Clear-air turbulence (CAT)
b) Turbulence in rotors
c) Inversion turbulence
d) Thermal turbulence

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

a) Haze (HZ)
b) Radiation fog (FG)
c) Mist (BR)
d) Patches of fog (BCFG)

68. Which transponder code should be set during a radio failure without any request?

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

69. What does a cloud coverage of "FEW" mean in a METAR weather report?

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

70. A wind shear is...

a) A meteorological downslope wind phenomenon in the Alps
b) A wind speed change of more than 15 kt
c) A vertical or horizontal change of wind speed and wind direction
d) A slow increase of the wind speed in altitudes above 13000 ft

71. A balloon pilot decides to use one or more separate gas containers for initial heating during buildup. To ensure a safe buildup ...

a) To expedite take-off, the gas containers have to be stored outside
b) The gas containers have to be fixed safely inside the basket
c) No separate gas containers are allowed during buildup
d) Two gas containers (one inside, one outside) are to be used

72. Which characteristic is important when choosing sunglasses used by pilots?

a) Curved sidepiece
b) Unbreakable
c) No UV filter
d) Non-polarised

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

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

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

a) Wind speed and tropopause height
b) Environmental lapse rate at origin
c) Temperatures at origin and present region
d) Region of origin and track during movement

75. Doubling the pressure of a dry gas at constant temperature results in a change of the volume to:

a) Double the previous value
b) Half the previous value
c) Four times the previous value
d) A quarter of the previous value

76. What is the best combination of traits with respect to the individual attitude and behaviour for a pilot?

a) Extroverted - stable
b) Introverted - unstable
c) Introverted - stable
d) Extroverted - unstable

77. Point A on the Earth's surface lies exactly on the parallel of latitude of 47°50'27''N. Which point is exactly 240 NM north of A?

a) 53°50'27''N

b) 49°50'27''N

c) 43°50'27''N

d) 51°50'27''N

78. Which are the properties of a Mercator chart?

a) The scale increases with latitude, great circles are depicted as curved lines, rhumb lines are depicted as straight lines

b) The scale is constant, great circles are depicted as curved lines, rhumb lines are depicted as straight lines

c) The scale increases with latitude, great circles are depicted as straight lines, rhumb lines are depicted as curved lines

d) The scale is constant, great circles are depicted as straight lines, rhumb lines are depicted as curved lines

79. A cross-country flight is made using the ICAO 1 : 500.000 aeronautical chart. An overflight crosscheck shows that a distance of 4 cm in the chart has been passed within 12 minutes. After how many more minutes, the overflight of another waypoint at a chart distance of additional 6 cm can be expected?

a) 9 min

b) 6 min

c) 12 min

d) 18 min

80. The term "ceiling" is defined as the...

a) Height of the base of the highest layer of clouds covering more than half of the sky below 20000 ft

b) Height of the base of the lowest layer of clouds covering more than half of the sky below 10000 ft

c) Altitude of the base of the lowest layer of clouds covering more than half of the sky below 20000 ft

d) Height of the base of the lowest layer of clouds covering more than half of the sky below 20000 ft

81. How does air temperature change in ISA from MSL to approx. 10000 m height?

a) From +30° to -40°C

b) From -15° to 50°C

c) From +15° to -50°C

d) From +20° to -40°C

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

a) It can store 5 (±2) items for 1 to 2 minutes

b) It can store 3 (±1) items for 5 to 10 seconds

c) It can store 7 (±2) items for 10 to 20 seconds

d) It can store 10 (±5) items for 30 to 60 seconds

83. Which transponder code indicates a radio failure?

a) 7700

b) 7600

c) 7500

d) 7000

84. In case of a water landing, when should the life jackets be inflated?

a) After landing, still in the basket, if leaving the basket has to be expected

b) During cruise over water

c) After leaving the basket

d) Before touchdown on water surface

85. In which way may an altimeter subscale which is set to an incorrect QNH lead to an incorrect altimeter reading?

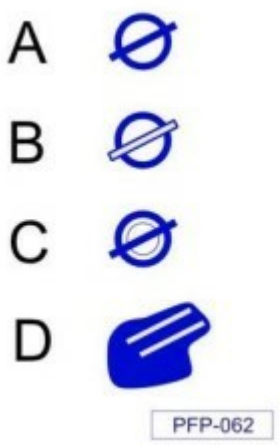
a) If the subscale is set to a lower than actual pressure, the indication is too high. This may lead to much closer proximity to the ground than intended

b) If the subscale is set to a lower than actual pressure, the indication is too low. This may lead to much closer proximity to the ground than intended

c) If the subscale is set to a higher than actual pressure, the indication is too high. This may lead to much closer proximity to the ground than intended

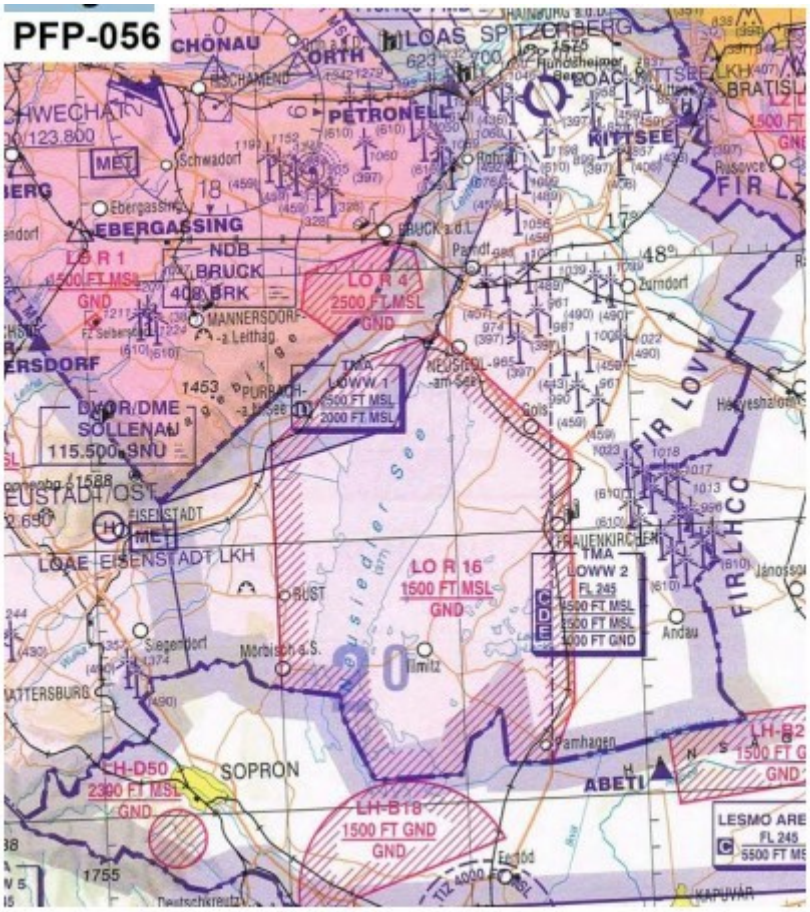
d) If the subscale is set to a higher than actual pressure, the indication is too low. This may lead to much greater heights above the ground than intended

86. (For this question, please use annex PFP-062) According ICAO, what symbol indicates a civil airport (not international airport) with paved runway?



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

87. The upper limit of LO R 16 equals... See annex (PFP-056)



a) FL150
b) 1500 ft GND
c) 1500 ft MSL
d) 1500 m MSL

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

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

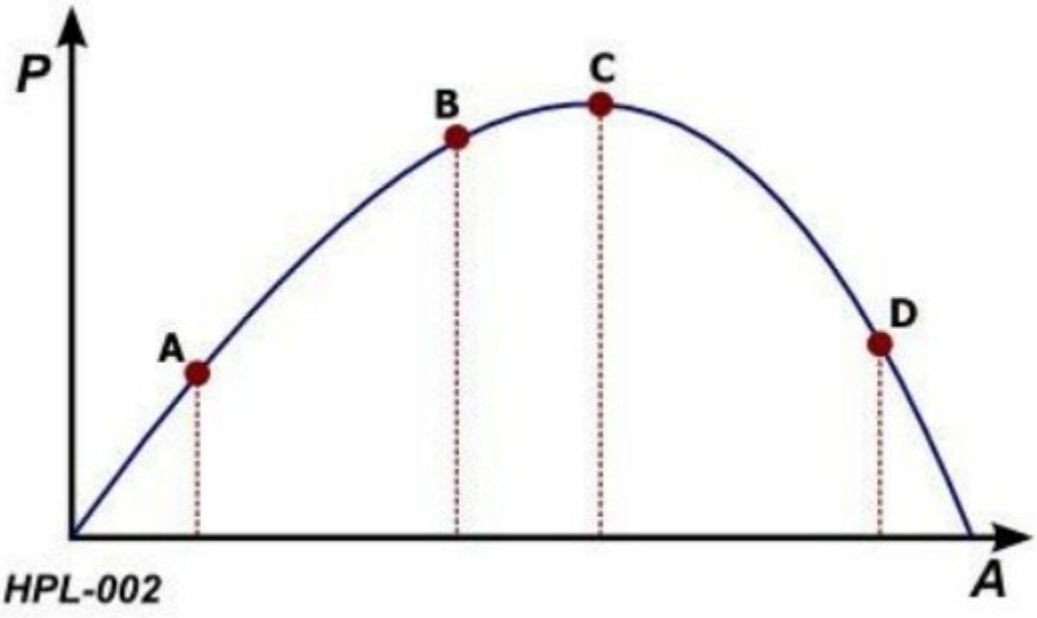
89. When do you expect wind shear?

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

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

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

91. At which point in the diagram will a pilot find himself to be overstrained? See figure (HPL-002) P = Performance A = Arousal / Stress



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

92. A true altitude is...

a) An altitude above mean sea level corrected for non-standard temperature
b) A height above ground level corrected for non-standard pressure
c) A height above ground level corrected for non-standard temperature
d) A pressure altitude corrected for non-standard temperature

93. What is the meaning of the abbreviation "ARC"?

a) Airspace Restriction Criteria
b) Airworthiness Recurring Control
c) Airworthiness Review Certificate
d) Airspace Rulemaking Committee

94. What is the purpose of "interception lines" in visual navigation?

a) They are used as easily recognizable guidance upon a possible loss of orientation
b) To visualize the range limitation from the departure aerodrome
c) They help to continue the flight when flight visibility drops below VFR minima
d) To mark the next available en-route airport during the flight

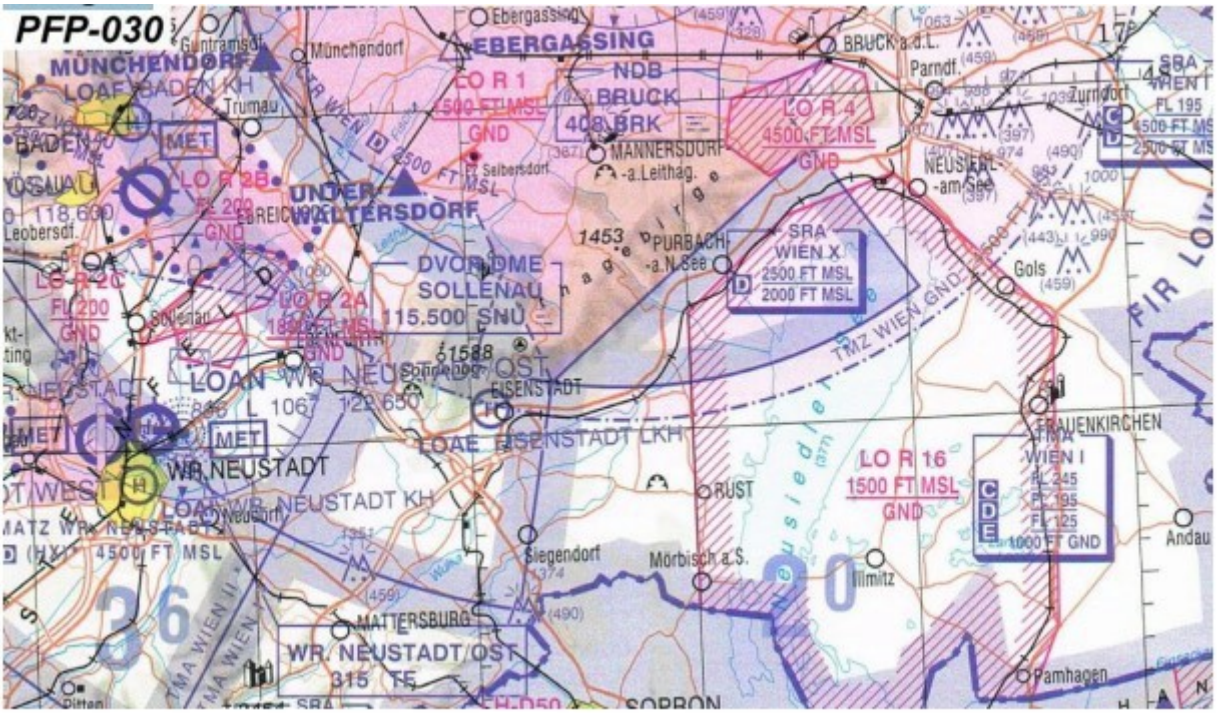
95. Given: TC: 183°; WCA: +011°; MH: 198°; CH: 200° What are the TH and the DEV?

a) TH: 194°. DEV: +002°
b) TH: 172°. DEV: +002°
c) TH: 172°. DEV: -002°
d) TH: 194°. DEV: -002°

96. At equilibrium the inner overpressure of a free balloon is highest at:

a) At the lower opening
b) The upper pole
c) At the center of the hull
d) At the equator

97. The upper limit of LO R 4 equals... See annex (PFP-030)



a) 1500 ft MSL
b) 1500 ft AGL
c) 4500 ft MSL
d) 4500 ft AGL

98. Which of the human senses is most influenced by hypoxia?

a) The tactile perception (sense of touch)
b) The olfactory perception (smell)
c) The visual perception (vision)
d) The auditory perception (hearing)

99. Where are the two polar circles?

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

100. Which process may result in an inversion layer at about 5000 ft (1500 m) height?

a) Intensive sunlight insolation during a warm summer day
b) Ground cooling by radiation during the night
c) Advection of cool air in the upper troposphere
d) Widespread descending air within a high pressure area

101. A cross-country flight is made using the ICAO 1 : 500.000 aeronautical chart. An overflight crosscheck shows that a distance of 6 cm in the chart has been passed within 9 minutes. After how many more minutes, the overflight of another waypoint at a chart distance of additional 4 cm can be expected?

a) 18 min
b) 6 min
c) 12 min
d) 9 min

102. The minimum flight visibility at 5000 ft MSL in airspace B for VFR flights is...

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

103. The electronic remote hull thermometer of a hot-air balloon is operating by which principle?

a) Venturi principle
b) Boyle principle
c) Resistance- / Semiconductor principle
d) Bernoulli principle

104. Who provides search and rescue service?

a) Only military organisations
b) Both military and civil organisations
c) Only civil organisations
d) International approved organisations

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

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

106. Which force causes "wind"?

a) Thermal force
b) Pressure gradient force
c) Coriolis force
d) Centrifugal force

107. What effect has the elevation above MSL of an airfield on the carrying force and maximum take-off mass of a balloon?

a) The lower the elevation, the lower the maximum take-off mass
b) The lower the elevation, the greater the carrying force
c) The lower the elevation, the higher the maximum take-off mass
d) The higher the elevation, the greater the carrying force

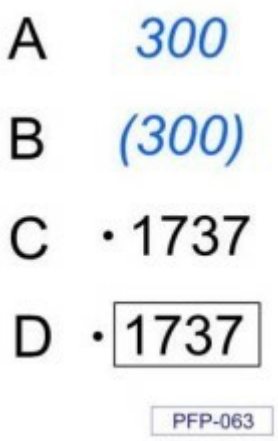
108. What statement is correct with regard to the density of a gas?

a) The density increases with increasing temperature and constant volume
b) The density decreases with decreasing volume and constant temperature
c) The density decreases with increasing temperature and constant volume
d) The density decreases with increasing temperature and constant pressure

109. The increase in load carrying capability by increasing the hull air temperature by the same temperature difference ...

a) Increases with balloon mass
b) Increases with altitude
c) Decreases with sinking
d) Decreases with altitude

110. (For this question, please use annex PFP-063) According ICAO, what symbol indicates a general spot elevation?



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

111. What cloud type does the picture show? See figure (MET-004).



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

112. What does a readability of 3 indicate?

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

113. Which altitude marks the lower limit where the body is unable to completely compensate the effects of the low atmospheric pressure?

a) 12000 feet

b) 7000 feet

c) 22000 feet

d) 5000 feet

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

a) An altitude indication which is too high

b) An altitude indication which is too low

c) A correct altitude indication as long as the altimeter subscale is set to correct for non-standard temperature

d) A blockage of the Pitot tube by ice, freezing the altimeter indication to its present value

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

a) One one niner decimal five

b) One one niner decimal five zero

c) One one niner thousand decimal five zero

d) One one niner decimal five zero zero

116. What is the meaning of the phrase "Correction"?

a) Permission for proposed action is granted

b) An error has been made in this transmission. The correct version is...

c) I have received all of your last transmission

d) I understand your message and will comply with it

117. After take-off with a balloon, obstacles at a distance of 300 m erect in expected flight path up to 40 m height. Rate of climb is expected with 1.5 m/s. What maximum actual wind speed can be accepted to maintain a clearance of 50 m above obstacles, assuming double the actual wind speed for calculation?

a) 8 m/s

b) 2.5 m/s

c) 10 m/s

d) 1 m/s

118. Wake turbulence is caused by...

a) Wind shear at the wingtip of an aerofoil

b) Pressure compensation at the wingtip of an aerofoil

c) Jet blast behind a turbine engine

d) Turbulence at the downwind side of a mountain range

119. Which is the purpose of the altimeter subscale?

a) To reference the altimeter reading to a predetermined level such as mean sea level, aerodrome level or pressure level 1013.25 hPa

b) To correct the altimeter reading for system errors

c) To set the reference level for the altitude decoder of the transponder

d) To adjust the altimeter reading for non-standard temperature

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

a) The layer above the troposphere showing an increasing temperature

b) The height above which the temperature starts to decrease

c) The boundary area between the mesosphere and the stratosphere

d) The boundary area between the troposphere and the stratosphere

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Response Scheme

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

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

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

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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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93: 94: 95: 96:

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101: 102: 103: 104:

105: 106: 107: 108:

109: 110: 111: 112:

113: 114: 115: 116:

117: 118: 119: 120:

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