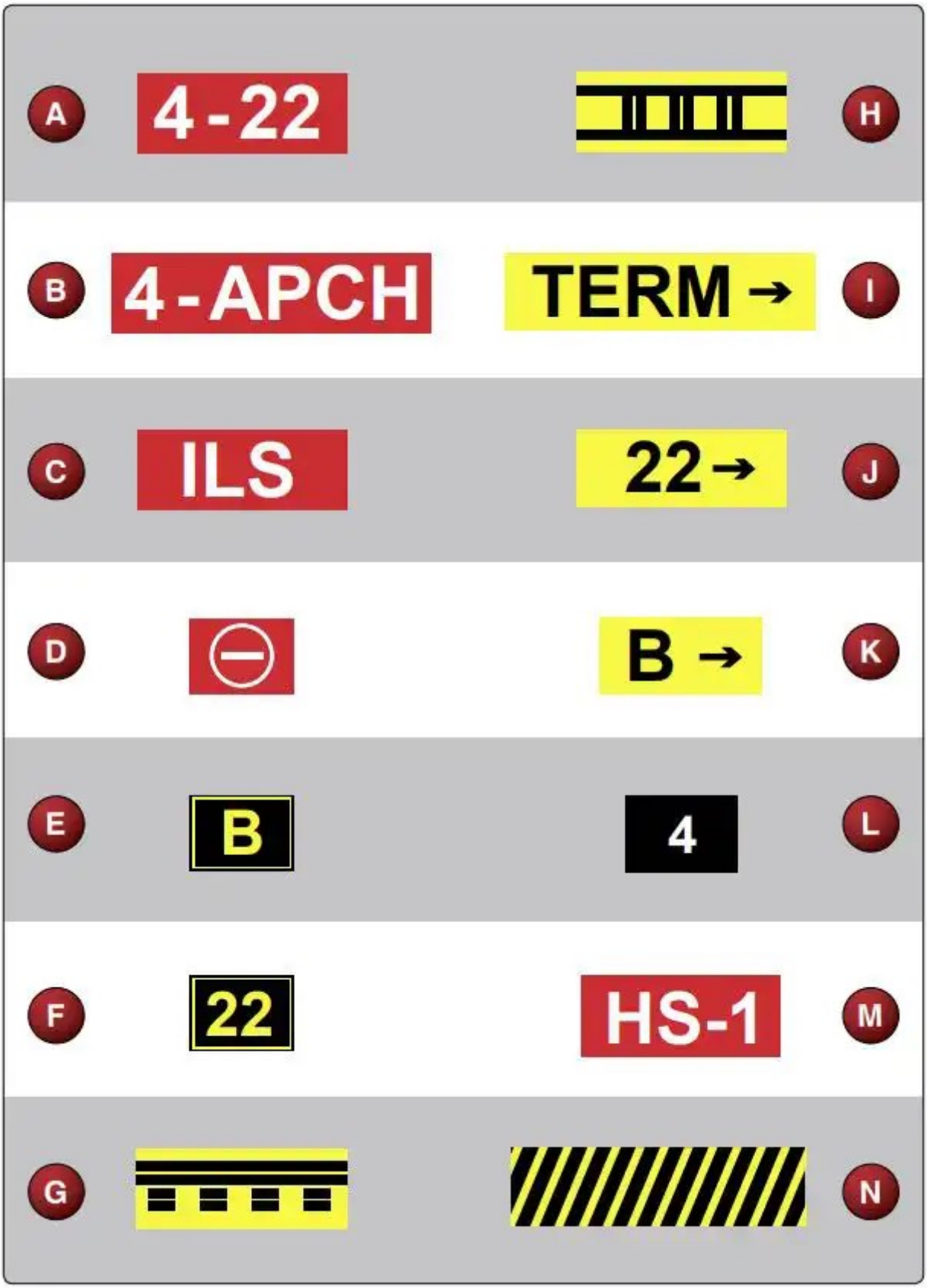
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STUDENT NAME:	DATE AND TIME:

01. (Refer to figure 65) When taxiing at an airport, you turn right after seeing the sign at location A. Where are you currently located?


A
4-22
H
B
4-APCH
TERM →
I
C
ILS
22 →
J
D
B →
K
E
B
4
L
F
22
HS-1
M
G
N

a) Taxiway 4
b) Runway 22
c) Runway 4

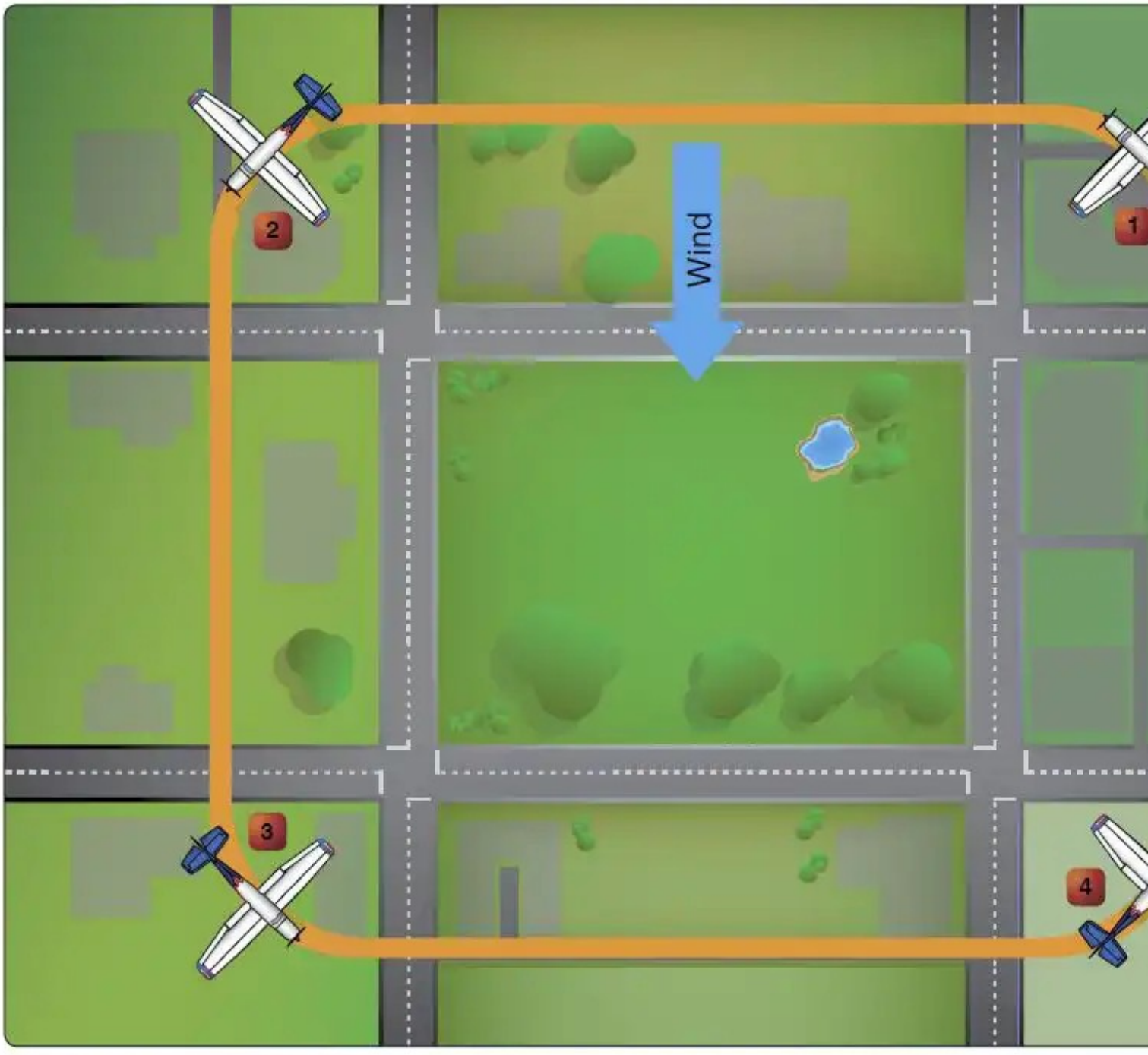
02. What is the maximum speed for performing steep turns?

a) Vne - never exceed speed
b) Vfe - maximum flaps extended speed
c) Va - maneuvering speed

03. What is the load factor on an airplane flying a 45 degree steep turn at a level altitude?

a) 1.4 Gs
b) 2.4 Gs
c) 2.0 Gs

04. When flying the crosswind leg of a rectangular course the airplane must be:



a) Flown without any crab
b) Crabbed into the wind
c) Crabbed away from the wind

05. The angle between the chord line of an airfoil and the relative wind is known as the angle of

a) attack

b) incidence

c) lift

06. In the Northern Hemisphere, a magnetic compass will normally indicate a turn toward the north if

a) an aircraft is decelerated while on an east or west heading

b) a left turn is entered from a west heading

c) an aircraft is accelerated while on an east or west heading

07. Position (navigation) lights on an aircraft are:

a) White for the left wingtip, green for the right wingtip, and red for the tail

b) Green for the left wingtip, red for the right wingtip, and white for the tail

c) Red for the left wingtip, green for the right wingtip, and white for the tail

08. In order to check your progress when using dead reckoning with no radio instrumentation, make corrections by:

a) Using pilotage and keep track of your checkpoints

b) Determining position using the wind triangle

c) Using the magnetic compass and the airspeed indicator

09. In the Northern Hemisphere, if an aircraft is accelerated or decelerated, the magnetic compass will normally indicate

a) a turn momentarily

b) a turn toward the south

c) correctly when on a north or south heading

10. As the airplane slows down in flight, the angle of attack must be:

a) Remain the same

b) Decreased to maintain altitude

c) Increased to maintain altitude

11. During flight, when are the indications of a magnetic compass accurate?

a) During turns if the bank does not exceed 18°

b) Only in straight-and-level unaccelerated flight

c) As long as the airspeed is constant

12. Prior to takeoff, the altimeter should be set to which altitude or altimeter setting?

a) The corrected pressure altitude for the departure airport

b) The corrected density altitude of the departure airport

c) The current local altimeter setting, if available, or the departure airport elevation

13. As altitude increases, the indicated airspeed at which a given airplane stalls in a particular configuration will

a) remain the same regardless of altitude

b) decrease as the true airspeed increases

c) decrease as the true airspeed decreases

14. How can you get in-flight weather updates for your destination airport while still 150 - 200 miles away?

a) Contact Flight Watch for an update

b) Retrieve the latest METAR and TAF using FIS-B

c) Tune in the ATIS for the destination airport

15. When are non-rechargeable batteries of an emergency locator transmitter (ELT) required to be replaced?

a) Every 24 months

b) When 50 percent of their useful life expires

c) At the time of each 100-hour or annual inspection

16. What should you do after landing at a non-towered airport?

a) Exit the runway and continue taxiing to the parking location

b) Exit the runway, ensure the entire airplane has crossed the runway holding position marking and make a position call that you are clear of the runway

c) Continue the landing rollout to the very end of the runway, before exiting a taxiway

17. How will the wind affect your engine-out gliding distance?

a) A headwind increases your gliding distance

b) A tailwind increases the gliding distance

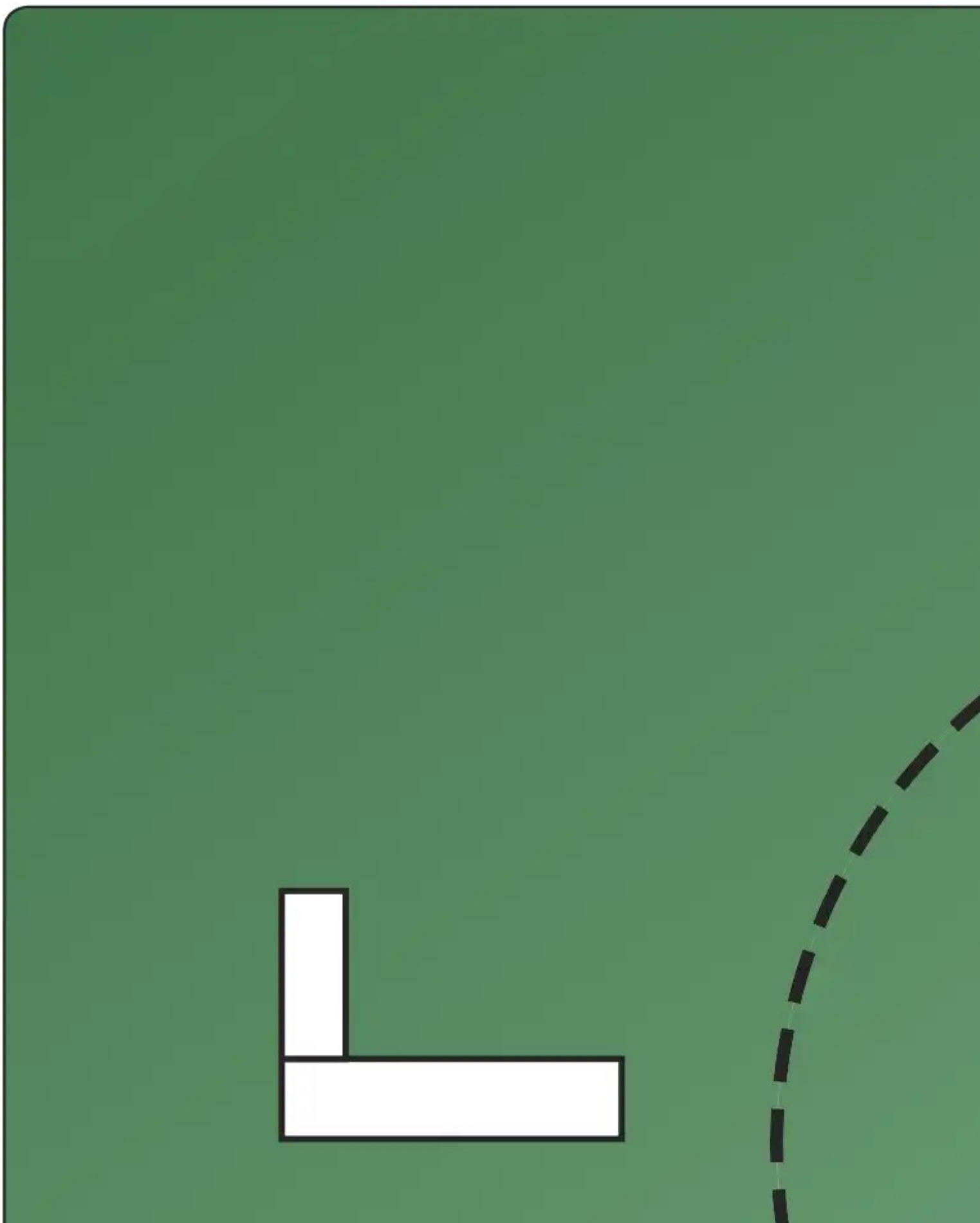
c) A tailwind decreases the gliding distance

18. (Refer to figure 50.) The segmented circle indicates that the airport traffic is

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a) left-hand for Runway 18 and right-hand for Runway 36
b) left-hand for Runway 36 and right-hand for Runway 18
c) right-hand for Runway 9 and left-hand for Runway 27

19. When activated, an emergency locator transmitter (ELT) transmits on

a) 123.0 and 119.0 MHz
b) 121.5 and 243.0 MHz
c) 118.0 and 118.8 MHz

20. (Refer to figure 75.) Find Gila Bend AF AUX Airport (GXF) in area 6. What class of airspace is it in?

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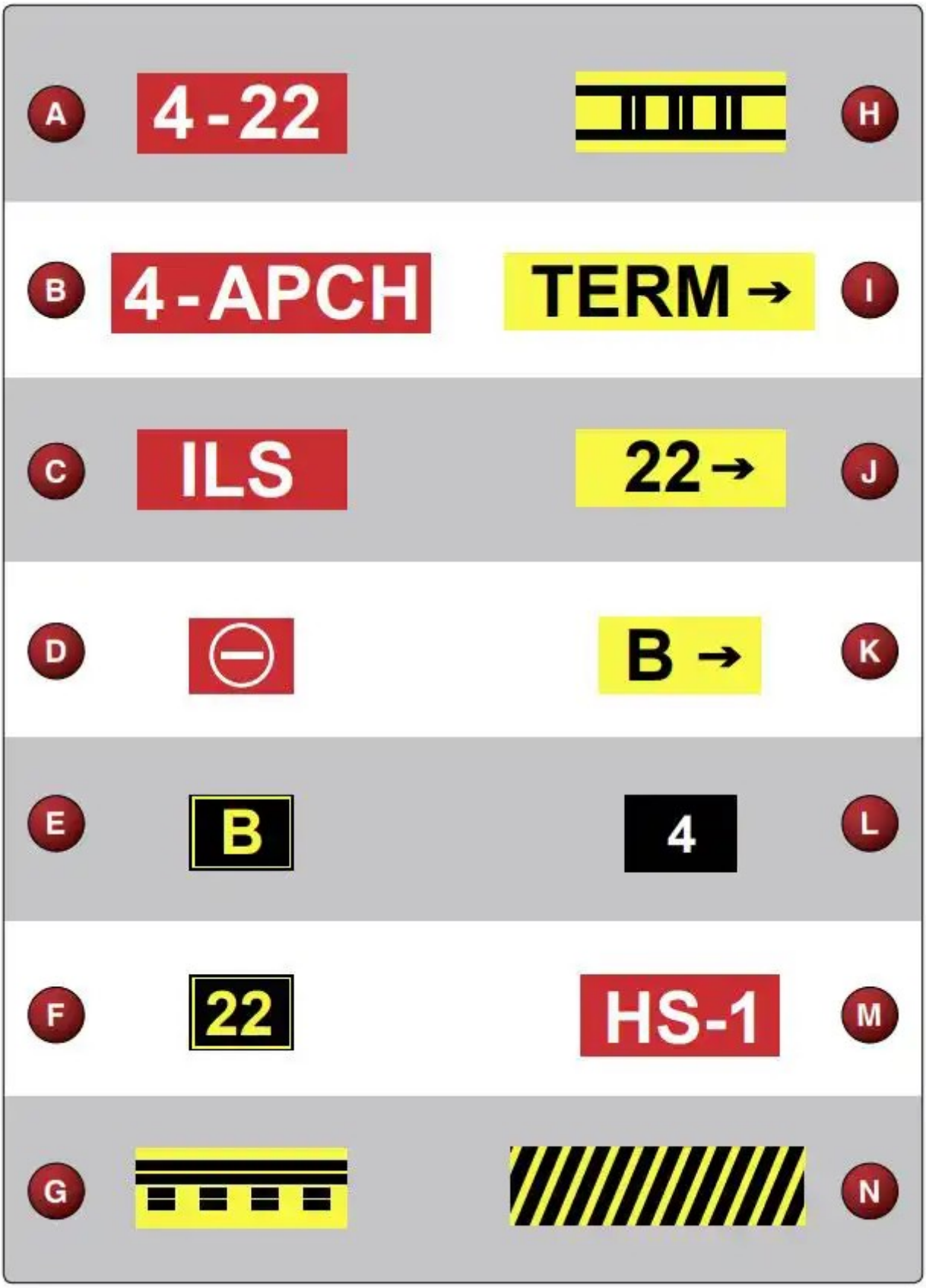
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a) C
b) D
c) B

21. (Refer to figure 65.) From the cockpit, this marking next to letter G confirms the aircraft to be


A
4-22
H
B
4-APCH
TERM →
I
C
ILS
22 →
J
D
B →
K
E
B
4
L
F
22
HS-1
M
G
N

a) on a runway, about to exit
b) on a taxiway, about to enter runway zone
c) near an instrument approach clearance zone

22. In what flight condition must an aircraft be placed in order to spin?

a) Partially stalled with one wing low

b) In a steep diving spiral

c) Stalled

23. During a night flight, you observe steady red and green lights ahead and at the same altitude. What is the general direction of movement of the other aircraft?

a) The other aircraft is crossing to the left

b) The other aircraft is approaching head-on

c) The other aircraft is flying away from you

24. You're flying in Class C airspace and the controller says, “radar service is terminated”. What should the transponder be set to?

a) Code 4096

b) Code 0000

c) Code 1200

25. Which instrument(s) will become inoperative if the static vents become clogged?

a) Airspeed, altimeter, and vertical speed

b) Airspeed only

c) Altimeter only

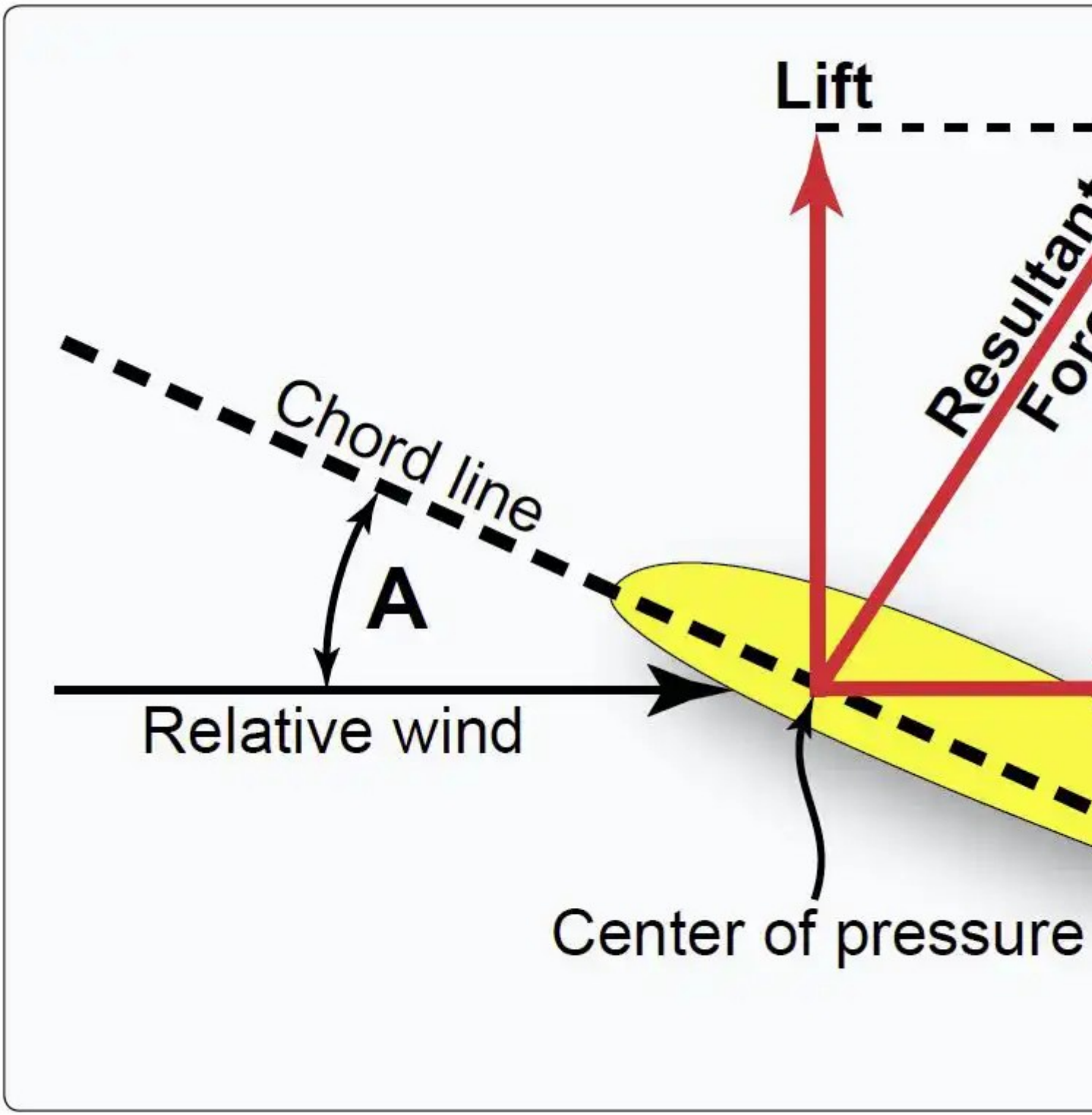
26. The load factor on an airplane increases with:

a) Any moderate change in pitch attitude, increase in weight, and steep turns

b) Increase in weight, steep turns, and abrupt changes in airplane attitude

c) Increase in weight, an increase in power, and any moderate pitch change

27. (Refer to figure 1.) The acute angle A is the angle of



a) attack
b) dihedral
c) incidence

28. The load factor in a level, coordinated turn with 60 degrees of bank is:

a) 3.00 Gs
b) 2.00 Gs
c) 1.00 G

29. Which approach and landing objective is assured when the pilot remains on the proper glidepath of the VASI?

a) Lateral course guidance to the runway
b) Runway identification and course guidance
c) Safe obstruction clearance in the approach area

30. What is likely to occur if you lift off the runway before reaching rotation speed due to ground effect?

a) Increase in stability
b) Inability to climb
c) Decrease in thrust required to maintain flight

31. Maneuvering speed is:

a) The top of the green arc on the airspeed indicator
b) Represented by the red line on the airspeed indicator
c) Not marked on the airspeed indicator

32. Under what condition is indicated altitude the same as true altitude?

a) When at 18,000 feet MSL with the altimeter set at 29.92
b) If the altimeter has no mechanical error
c) When at sea level under standard conditions

33. During a spin to the left, which wing(s) is/are stalled?

a) Only the left wing is stalled
b) Both wings are stalled
c) Neither wing is stalled

34. When making a night approach to land, you should use:

a) A higher airspeed

b) The same approach as during daytime

c) A steeper descent angle

35. The definition of nighttime is

a) the time between the end of evening civil twilight and the beginning of morning civil twilight

b) 1 hour after sunset to 1 hour before sunrise

c) sunset to sunrise

36. Carburetor ice is most likely to occur when temperatures are:

a) Above 105 degrees Fahrenheit (°F)

b) Below 70 degrees Fahrenheit (°F) and the relative humidity is above 80 percent

c) Below 20 degrees Fahrenheit

37. The load factor on any airplane during a constant altitude turn is determined by:

a) The type of aircraft being flown

b) Airspeed

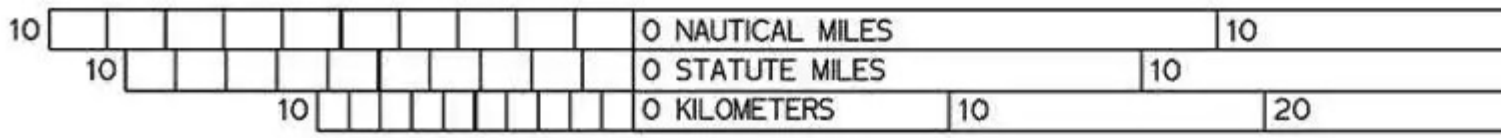
c) Bank alone

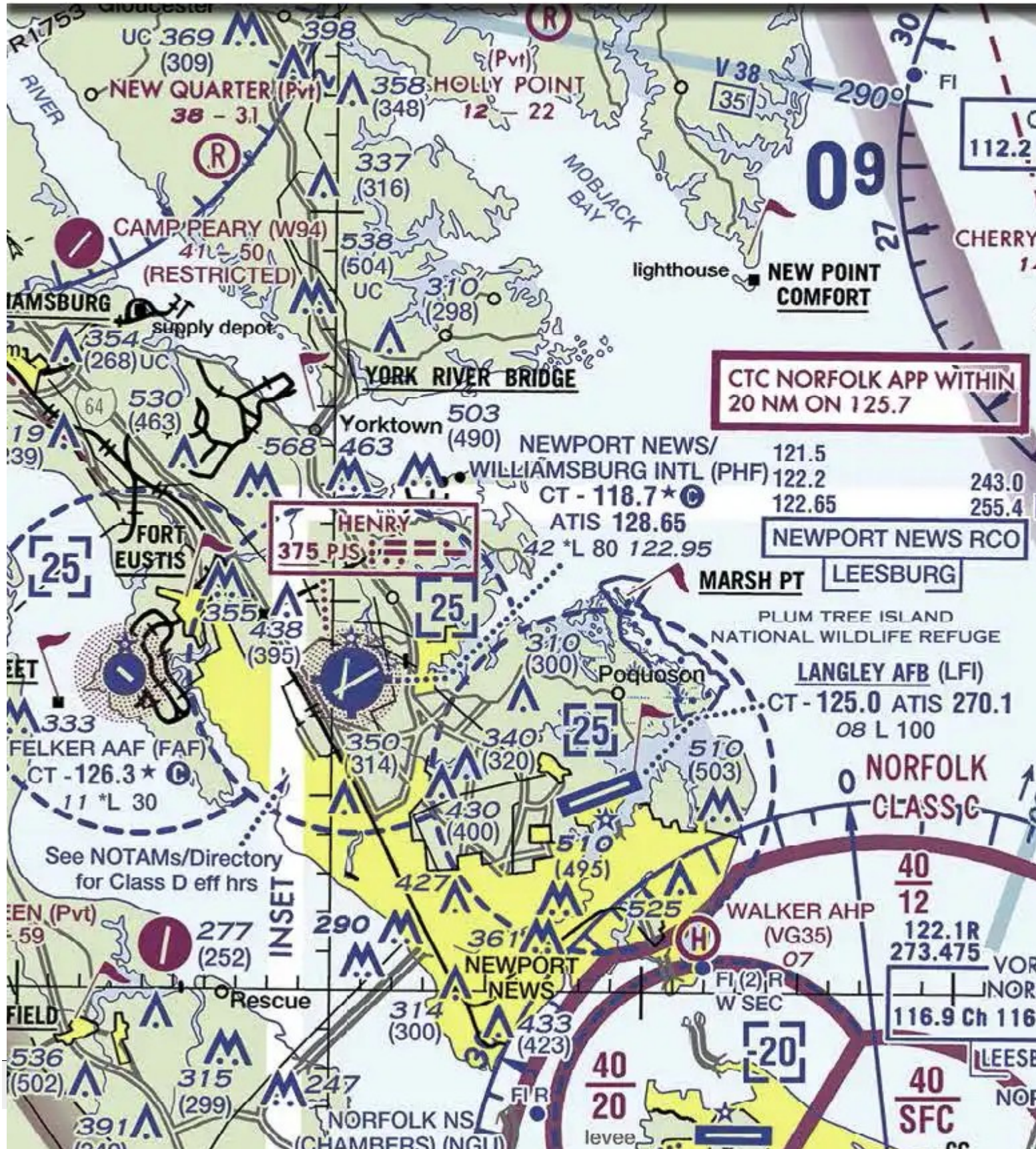
38. (Refer to figure 20, area 3.) What is the recommended communications procedure for a landing at Currituck County Airport?

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a) Contact New Bern FSS for area traffic information
b) Contact Elizabeth City FSS for airport advisory service
c) Transmit intentions on 122.9 MHz when 10 miles out and give position reports in the traffic pattern

39. The correct method of stating 4,500 feet MSL to ATC is

a) FOUR POINT FIVE
b) FOUR THOUSAND FIVE HUNDRED
c) FORTY-FIVE HUNDRED FEET MSL

40. After takeoff, which airspeed would the pilot use to gain the most altitude in a given period of time?

a) VA
b) VY
c) VX

41. Which incident requires an immediate notification be made to the nearest NTSB field office?

a) An overdue aircraft that is believed to be involved in an accident
b) An in-flight radio communications failure
c) An in-flight generator or alternator failure

42. Changes in the center of pressure of a wing affect the aircraft's

a) lift/drag ratio
b) lifting capacity
c) aerodynamic balance and controllability

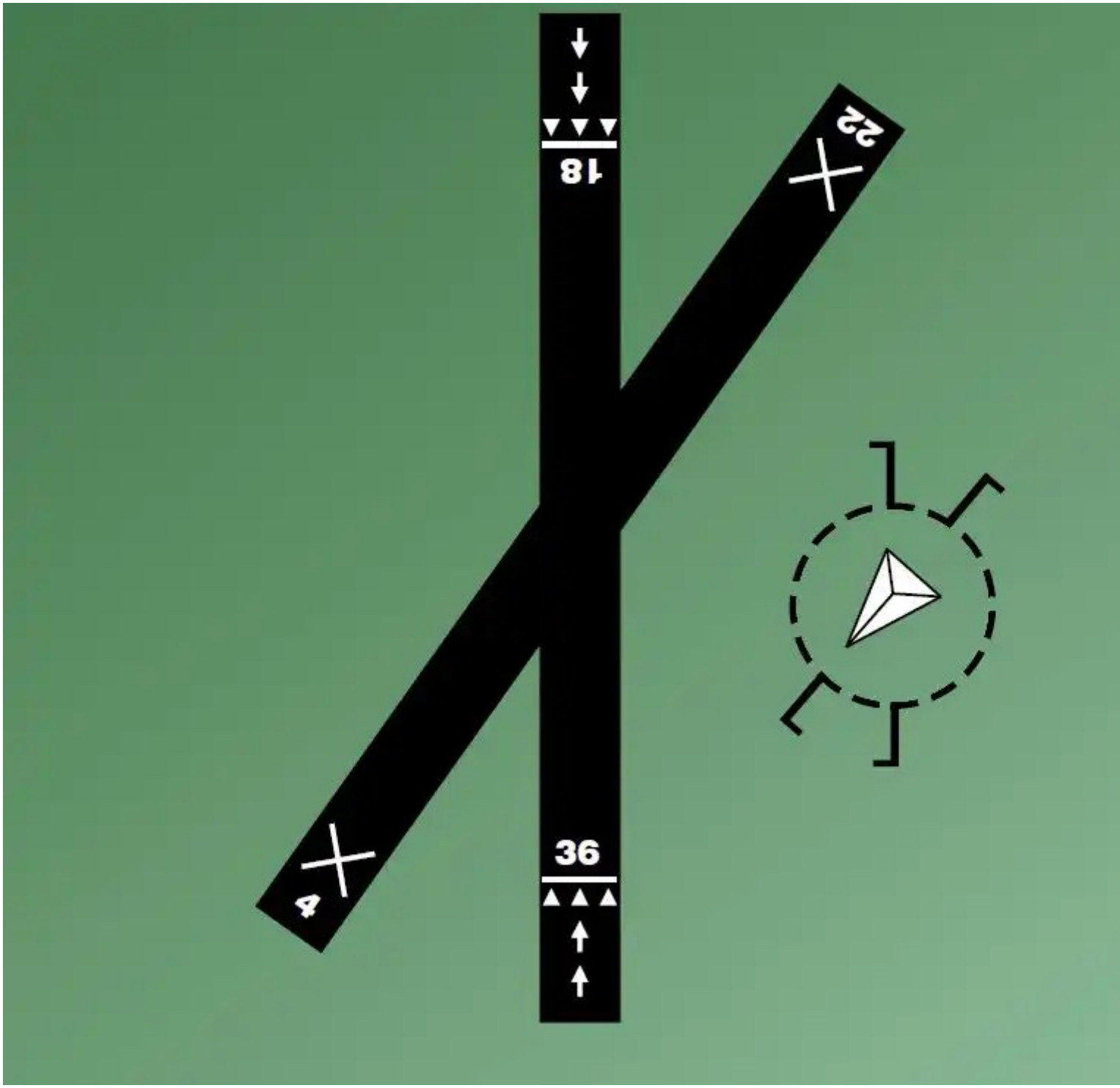
43. What is the definition of a high-performance airplane?

a) An airplane with a normal cruise speed in excess of 200 knots
b) An airplane with an engine of more than 200 horsepower
c) An airplane with 180 horsepower, or retractable landing gear, flaps, and a fixed-pitch propeller

44. On a turn from south:

a) The compass will lag behind the airplane
b) The compass will match the exact heading
c) The compass exaggerates the rate of turn

45. (Refer to figure 49.) The arrows that appear on the end of the north/south runway indicate that t



a) cannot be used for landing, but may be used for taxiing and takeoff
b) is usable for taxiing, takeoff, and landing
c) may be used only for taxiing

46. How should an aircraft preflight inspection be accomplished for the first flight of the day?

a) Quick walk around with a check of gas and oil

b) Thorough and systematic means recommended by the manufacturer

c) Any sequence as determined by the pilot-in-command

47. The term 'angle of attack' is defined as the angle between the

a) chord line of the wing and the relative wind

b) airplane's center line and the relative wind

c) airplane's longitudinal axis and that of the air striking the airfoil

48. An electrical system failure (battery and alternator) occurs during flight. In this situation, you would

a) probably experience failure of the engine ignition system, fuel gauges, aircraft lighting system, and avionics equipment

b) experience avionics equipment failure

c) probably experience engine failure due to the loss of the engine-driven fuel pump and also experience failure of the radio equipment, lights, and all instruments that require alternating current

49. During a night flight, you observe a steady white light and a flashing red light ahead and at the same altitude. What is the general direction of movement of the other aircraft?

a) The other aircraft is flying away from you

b) The other aircraft is crossing to the right

c) The other aircraft is crossing to the left

50. In the Northern Hemisphere, a magnetic compass will normally indicate initially a turn toward the west if

a) an aircraft is accelerated while on a north heading

b) a left turn is entered from a north heading

c) a right turn is entered from a north heading

51. During a night flight, you observe a steady red light and a flashing red light ahead and at the same altitude. What is the general direction of movement of the other aircraft?

a) The other aircraft is crossing to the left
b) The other aircraft is approaching head-on
c) The other aircraft is crossing to the right

52. Detonation occurs in a reciprocating aircraft engine when

a) the spark plugs are fouled or shorted out or the wiring is defective
b) hot spots in the combustion chamber ignite the fuel/air mixture in advance of normal ignition
c) the unburned charge in the cylinders explodes instead of burning normally

53. Each recreational or private pilot is required to have

a) a semiannual flight review
b) an annual flight review
c) a biennial flight review

54. How far will an aircraft travel in 7.5 minutes with a ground speed of 114 knots?

a) 15 NM
b) 14.5 NM
c) 14.25 NM

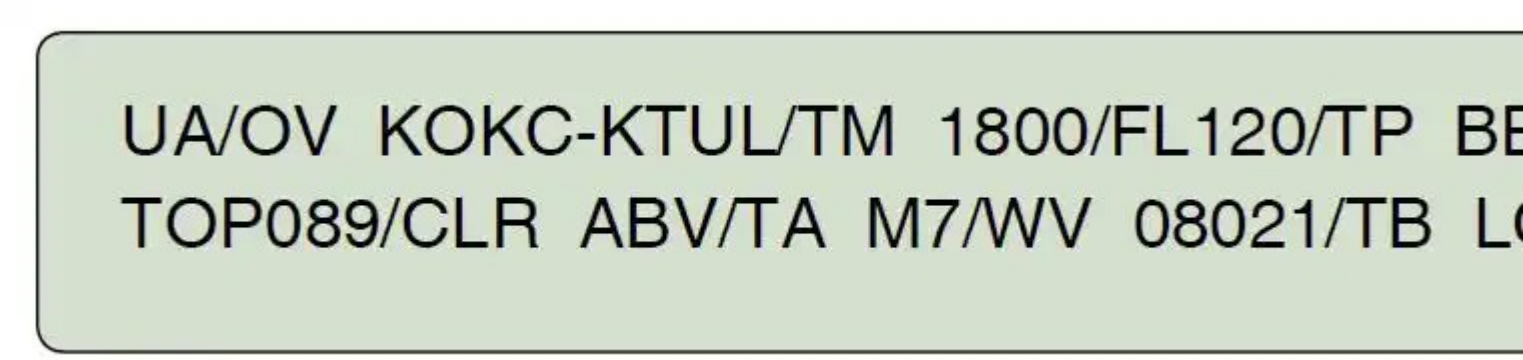
55. When flying a stabilized approach at a constant glide angle, how should the aiming point appear to the pilot?

a) The aiming point appears to move under the nose of the airplane
b) The aiming position does not appear to move
c) The aiming point appears to move forward away from the airplane

56. The use of flaps in slow flight:

a) May be used
b) Can only be deployed ten degrees
c) Are never allowed to be used in slow flight

57. (Refer to figure 14.) The intensity of the turbulence reported at a specific altitude is



a) moderate from 5,500 feet to 7,200 feet
b) moderate at 5,500 feet and at 7,200 feet
c) light from 5,500 feet to 7,200 feet

58. How can a military airport be identified at night?

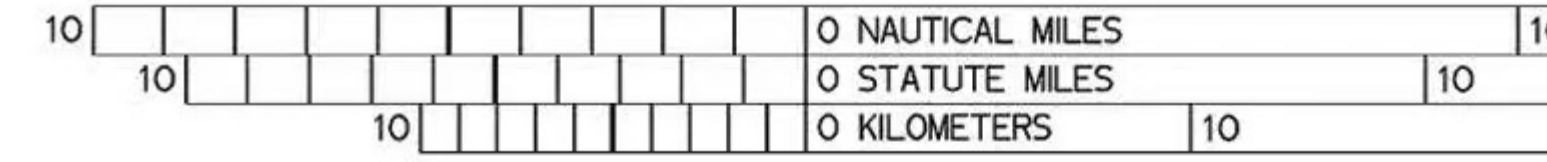
a) Dual peaked (two quick) white flashes between green flashes
b) Alternate white and green light flashes
c) White flashing lights with steady green at the same location

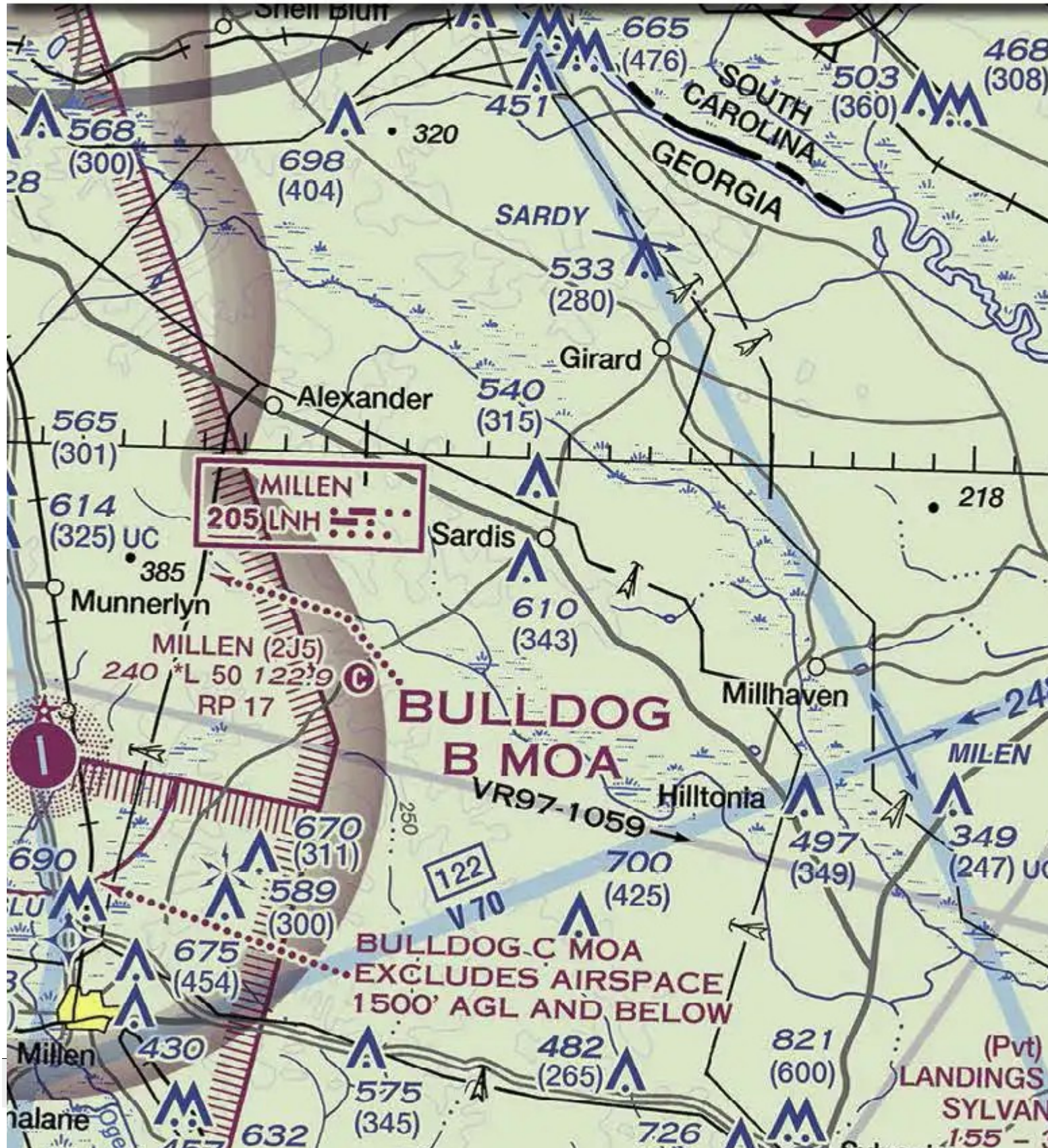
59. (Refer to figure 23.) On what course should the VOR receiver (OBS) be set to navigate direct from Hampton Varnville Airport (area 1) to Savannah VORTAC (area 3)?

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a) 215°
b) 195°
c) 015°

60. How would you describe a holding position sign?

a) Yellow inscriptions on red background
b) Red inscriptions on white background
c) White inscriptions on red background

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Response Scheme

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

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

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