

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

STUDENT NAME:

DATE AND TIME:

01. If you see a faded blue band on a sectional chart, what does it indicate about the airspace?

- a) Class B airspace begins at the surface.
- b) Class E airspace begins at 700 feet AGL.
- c) Class E airspace begins at 1,200 feet AGL or greater.

02. How are Temporary Flight Restrictions (TFRs) disseminated to the aviation community?

- a) Via Sectional Aeronautical Charts.
- b) Through local television broadcasts.
- c) Via Notice to Air Missions (NOTAMs).

03. Does a remote pilot need ATC authorization to fly a drone at 200 feet AGL in Class E airspace that begins at 1,200 feet AGL?

- a) No, because the drone is flying in Class G airspace below the Class E.
- b) Yes, all Class E airspace requires authorization.
- c) Yes, because it is within the lateral limits of a federal airway.

04. What airspace is generally designated from 18,000 feet MSL up to and including FL 600?

- a) Class B airspace.
- b) Class C airspace.
- c) Class A airspace.

05. Fog that forms when cold, dry air moves over relatively warm water is called:

- a) Radiation fog.
- b) Upslope fog.
- c) Steam fog.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

06. When an aircraft's center of gravity is located forward of the forward CG limit, the aircraft:

- a) Is highly unstable and difficult to control.
- b) Will stall at a lower airspeed.
- c) Will be highly stable, but will require more elevator pressure to raise the nose, decreasing performance.

07. What does the abbreviation 'CB' mean when appended to a cloud layer in a METAR?

- a) Cumulonimbus.
- b) Clear below.
- c) Cirrostratus broken.

08. Which of the following conditions results in the highest density altitude?

- a) Low temperature, low humidity, and high barometric pressure.
- b) High temperature, low humidity, and high barometric pressure.
- c) High temperature, high humidity, and low barometric pressure.

09. What is the primary function of a Common Traffic Advisory Frequency (CTAF)?

- a) To request ATC clearance into Class B airspace.
- b) For pilots to self-announce their positions and intentions at uncontrolled airports.
- c) To receive automated weather broadcasts.

10. In meteorology, what is a 'front'?

- a) The center of a high-pressure system.
- b) The boundary layer between two distinct air masses of different temperatures and densities.
- c) The leading edge of a microburst.

11. What hazard is typically found in a Warning Area?

- a) High volume of commercial airline traffic.
- b) Glider and parachute operations.
- c) Activity that may be hazardous to nonparticipating aircraft, usually over domestic or international waters.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

12. What are typical characteristics of unstable air?

- a) Continuous, steady precipitation.
- b) Good visibility and showery precipitation.
- c) Fog and haze.

13. In aviation meteorology, a 'ceiling' is defined as the height above the Earth's surface of the:

- a) Highest layer of clouds reported as scattered.
- b) Lowest layer of clouds reported as scattered or broken.
- c) Lowest layer of clouds or obscuring phenomena that is reported as 'broken', 'overcast', or 'obscuration'.

14. When may a remote pilot operate a small UAS from a moving watercraft?

- a) When the operation takes place over a sparsely populated area.
- b) When operating in Class B airspace.
- c) It is never permitted to operate from a moving watercraft.

15. You are flying a drone near a wildlife reserve and notice birds circling closely around your sUAS. What is the safest course of action?

- a) Climb or descend evasively and leave the area to avoid a bird strike.
- b) Fly aggressively toward the birds to scare them away.
- c) Hover in place until the birds leave.

16. A fixed-wing sUAS is loaded such that the CG is exactly on the aft limit. How will this affect the stall characteristics?

- a) The stall will occur at a lower speed and recovery will be easier.
- b) The aircraft may stall more easily, and stall recovery will be much more difficult or impossible.
- c) It will have no effect on stall characteristics.

17. On a sectional chart, how is Class C airspace depicted?

- a) By solid magenta lines.
- b) By dashed magenta lines.
- c) By solid blue lines.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

18. On a sectional chart, you see a number like [25] inside a dashed blue box. What does this represent?

- a) The length of the runway is 2,500 feet.
- b) The ceiling of the Class D airspace is 2,500 feet MSL.
- c) The minimum safe altitude is 2,500 feet AGL.

19. In the aeronautical decision making (ADM) process, what is the first step in neutralizing a hazardous attitude?

- a) Making a rational judgment.
- b) Recognizing the invulnerability of the situation.
- c) Recognizing hazardous thoughts.

20. Do you need ATC authorization to fly your sUAS in Class G airspace?

- a) No, prior authorization is not required.
- b) Yes, if flying within 5 miles of an airport.
- c) Yes, ATC authorization is always required.

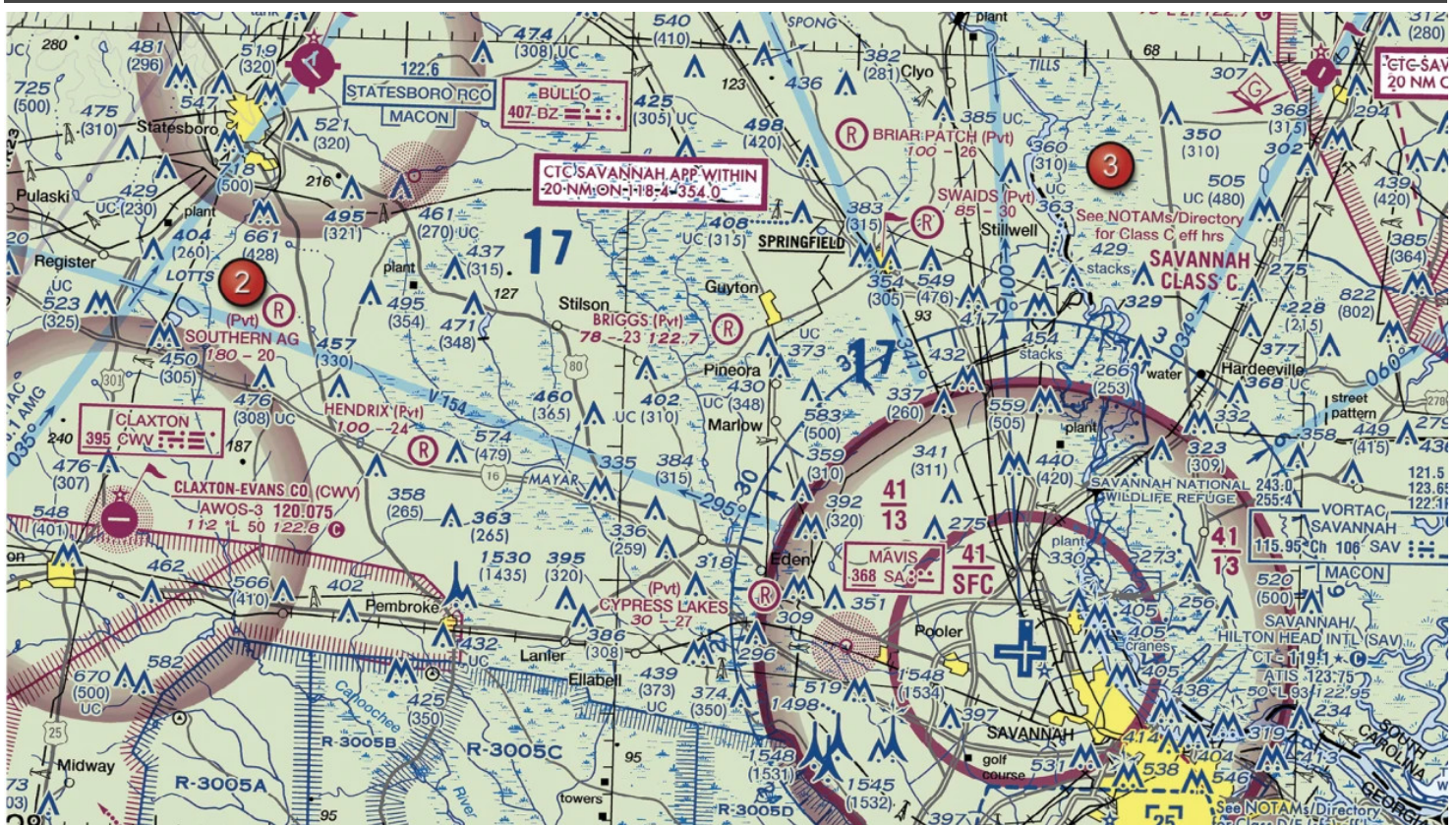
Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

21. A client has hired you to inspect a tower on Tuesday. The tower to be inspected is the lighted tower 6 NM SW of Savannah/Hilton Head Intl (SAV). At the highest allowable flight altitude above the tower, what airspace would you be in?



- a) Class C.
- b) Class E.
- c) Class G.

22. When flying a drone at a construction site, what is a specific operational hazard you should brief your crew about?

- a) Magnetic interference from heavy machinery, cranes, and shifting obstacles.
- b) Sudden drops in density altitude.
- c) Birds nesting in the area.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

23. While monitoring the Cooperstown CTAF you hear an aircraft announce that they are midfield left downwind to RWY 13. Where would the aircraft be relative to the runway?



- a) The aircraft is East.
- b) The aircraft is South.
- c) The aircraft is West.

24. What does a SIGMET (Significant Meteorological Information) advise pilots about?

- a) Non-convective weather that is potentially hazardous to all aircraft, such as severe icing, severe turbulence, or dust storms.
- b) Weather conditions that are only hazardous to small, single-engine aircraft.
- c) Routine forecasted weather at an aerodrome.

25. What effect does high density altitude, as compared to low density altitude, have on propeller efficiency and why?

- a) Efficiency is reduced because the propeller exerts less force at high density altitudes than at low density altitudes.
- b) Efficiency is increased due to less friction on the propeller blades.
- c) Efficiency is reduced due to the increased force of the propeller in the thinner air.

26. What is the purpose of MULTICOM?

- a) It is used by ATC to control ground traffic.
- b) It provides automated weather at uncontrolled fields.
- c) It is a frequency (usually 122.9 MHz) used for self-announce procedures at airports without a tower, FSS, or UNICOM.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

27. Is a visual observer (VO) required for all Part 107 operations?

- a) Yes, you must always have a VO.
- b) No, a VO is optional, but highly recommended.
- c) No, a VO is only required if flying over people.

28. As altitude increases, what happens to the true airspeed of a fixed-wing sUAS flying at a constant indicated airspeed?

- a) True airspeed decreases.
- b) True airspeed remains the same.
- c) True airspeed increases because the air is less dense.

29. What is the recommended procedure for a remote pilot when a manned aircraft is spotted flying low in the vicinity?

- a) Maintain your altitude and turn on anti-collision lights.
- b) Climb above the manned aircraft to ensure separation.
- c) Immediately descend and yield the right-of-way.

30. Which of the following is a characteristic of an unstable air mass?

- a) Good surface visibility and turbulence.
- b) Poor surface visibility and smooth air.
- c) Continuous, steady precipitation.

31. What is the defining characteristic of wind shear?

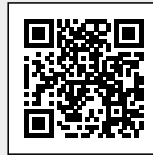
- a) Continuous, steady winds exceeding 30 knots.
- b) A sudden, drastic change in wind speed and/or direction over a very short distance.
- c) Winds that only occur above 10,000 feet MSL.

32. One of the purposes for issuing a Temporary Flight restriction (TFR) is to

- a) announce Parachute Jump Areas.
- b) protect public figures.
- c) identify Airport Advisory Areas.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

33. If you are flying a multirotor drone and push the pitch stick forward to fly horizontally, how does the drone achieve forward movement?

- a) It tilts the lift vector forward, converting some of the vertical lift into forward thrust.
- b) It slows down the front propellers and reverses the rear propellers.
- c) It uses wind currents to carry it forward.

34. What type of weather is generally associated with a low-pressure system?

- a) Descending air, clear skies, and good visibility.
- b) Calm winds and severe temperature inversions.
- c) Rising air, cloudiness, and precipitation.

35. While doing a commercial drone job, your drone gets into an accident and crashes. Which of the following outcomes are you NOT required to report to the FAA?

- a) Damage to a car that will cost around \$750 to repair.
- b) A serious injury that requires the victim to be hospitalized.
- c) A minor injury to a person that needs to be addressed with first aid.

36. What is the minimum distance a small unmanned aircraft must remain below a cloud?

- a) 500 feet.
- b) 1,000 feet.
- c) 2,000 feet.

37. What is a recommended practice when flying a small UAS in very cold temperatures?

- a) Keep the batteries in a warm environment (like a heated car or inside your jacket) until immediately before the flight.
- b) Pre-chill the batteries outside to acclimate them to the weather.
- c) Discharge the battery to 50% before flying to prevent freezing.

38. What conditions are necessary for the formation of thunderstorms?

- a) Lifting force, moist air, and extensive cloud cover.
- b) High humidity, high temperature, and cumulus clouds.
- c) High humidity, lifting force, and unstable conditions.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

39. Remote ID regulations require drones to broadcast identification and location information. Who is exempt from this rule?

- a) Commercial pilots operating under Part 107.
- b) Drones flown exclusively over private property.
- c) Drones flown exclusively within FAA-Recognized Identification Areas (FRIAs).

40. You have received a job to survey an area that happens to fall within Class C airspace. Which of the following must you do before starting the operations?

- a) Submit a plan for risks and mitigating measures to the FAA.
- b) Contact the relevant air traffic control (ATC) facility.
- c) Request for airspace authorization via LAANC or the FAA DroneZone.

41. What kind of airspace is depicted on a sectional chart by a hatched magenta area?

- a) Restricted Area.
- b) Military Operations Area (MOA).
- c) Warning Area.

42. Which type of fog is formed when warm, moist air is pushed up a rising terrain or mountain slope by the wind?

- a) Radiation fog.
- b) Upslope fog.
- c) Advection fog.

43. You are flying a drone that weighs 54 pounds. The payload you want to add weighs 2 pounds. Can you fly this drone under Part 107?

- a) Yes, as long as the payload is securely attached.
- b) Yes, Part 107 covers drones up to 100 pounds.
- c) No, the total takeoff weight must be less than 55 pounds.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

44. The conditions necessary for the formation of cumulonimbus clouds are a lifting action and

- a) unstable, moist air.
- b) either stable or unstable air.
- c) unstable air containing an excess of condensation nuclei.

45. What should you do if the client asks you to fly over a moving vehicle carrying non-participating people?

- a) Refuse the flight, as flying over moving vehicles with non-participating people is generally prohibited without a specific waiver.
- b) Comply, as long as the vehicle is moving slowly.
- c) Comply, provided you fly very high.

46. What kind of airspace is depicted on a sectional chart by a hatched blue area?

- a) Restricted, Prohibited, or Warning Area.
- b) Class C airspace.
- c) Military Operations Area (MOA).

47. Before conducting any flight operation, the Remote PIC must:

- a) File a flight plan with the nearest ATC facility.
- b) Assess the operating environment and ensure the sUAS is safe for flight.
- c) Notify local law enforcement.

48. If you are flying your drone using FPV (First Person View) goggles, what is required by Part 107?

- a) You must have a visual observer keeping an unaided visual line of sight on the aircraft.
- b) You must fly under 100 feet AGL.
- c) FPV is completely prohibited for commercial operations.

49. What characterizes a temperature inversion?

- a) Air temperature drops rapidly as altitude increases.
- b) Air pressure increases with altitude.
- c) Air temperature increases as altitude increases, acting like a lid on the atmosphere below.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

50. Within how many days must a remote pilot report an sUAS accident to the FAA if it results in serious injury?

- a) 5 days.
- b) 10 days.
- c) 30 days.

51. In a METAR report, temperature and dew point are reported in which scale?

- a) Fahrenheit.
- b) Kelvin.
- c) Celsius.

52. What is the effect on the propeller efficiency of low density altitude?

- a) Propeller efficiency is increased.
- b) There is no effect on propeller efficiency.
- c) Propeller efficiency is decreased.

53. When approaching taxiway holding lines from the side with the continuous lines, the pilot

- a) may continue taxiing.
- b) should not cross the lines without ATC clearance.
- c) should continue taxiing until all parts of the aircraft have crossed the lines.

54. Ice pellets encountered at the surface are an indication that:

- a) A thunderstorm is directly overhead.
- b) The air mass is stable with no turbulence.
- c) There is a temperature inversion with freezing rain at a higher altitude.

55. If requested, to whom must you present your Remote Pilot Certificate?

- a) Local police officers only.
- b) Any member of the public.
- c) An authorized representative of the FAA Administrator.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

56. Unless otherwise specified, Federal Airways include that Class E airspace extending upward from

- a) 700 feet above the surface up to and including 17,999 feet MSL.
- b) 1,200 feet above the surface up to and including 17,999 feet MSL.
- c) the surface up to and including 18,000 feet MSL.

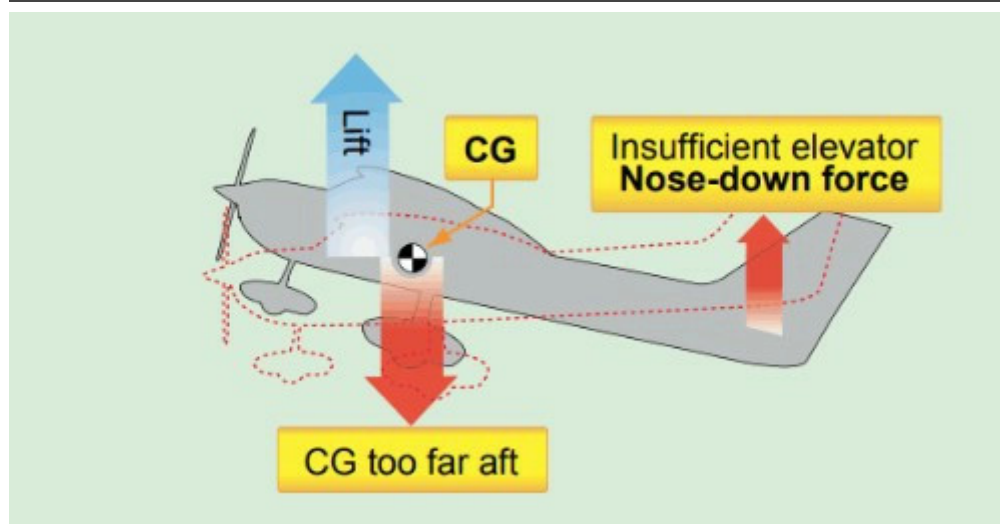
57. When a control tower located on an airport within Class D airspace ceases operation for the day, what happens to the airspace?

- a) The airspace reverts to Class E or a combination of Class E and G airspace.
- b) The airspace remains Class D airspace.
- c) The airspace becomes a Restricted Area.

58. The best way to mitigate the risk of a lipo battery fire during transport is to:

- a) Store and transport batteries in fire-resistant 'LiPo bags' and ensure they are protected from short circuits.
- b) Keep them fully charged so they are stable.
- c) Wrap them tightly in aluminum foil.

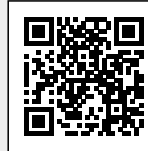
59. If the center of gravity on your aircraft is too far aft (rearward), what is the likely result?



- a) The aircraft will have increased airspeed.
- b) The aircraft will not be able to maintain a constant turn.
- c) The aircraft will have difficulty recovering from a stalled position.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

60. Why are surface winds generally slower and cross the isobars at an angle compared to winds aloft?

- a) Because of surface friction from terrain, trees, and buildings.
- b) Because the Coriolis force is stronger at the surface.
- c) Because the air is warmer at the surface.

61. How should you pronounce the letter 'N' using the standard phonetic alphabet over aviation radios?

- a) Nancy.
- b) November.
- c) Niner.

62. What does a 'broken' (BKN) cloud layer mean in a METAR report?

- a) 1/8 to 2/8 of the sky is covered by clouds.
- b) 3/8 to 4/8 of the sky is covered by clouds.
- c) 5/8 to 7/8 of the sky is covered by clouds, which constitutes a ceiling.

63. A systematic approach to preflight planning should always include:

- a) Only checking the weather and the drone's battery level.
- b) Checking weather, airspace, terrain, crew fitness, and performing a thorough inspection of the aircraft.
- c) Applying for a waiver for every flight.

64. Can an aircraft stall at any airspeed?

- a) Yes, a stall can occur at any airspeed and any flight attitude if the critical angle of attack is exceeded.
- b) No, an aircraft can only stall at its published stall speed.
- c) No, an aircraft cannot stall if the throttle is at 100%.

65. Why is 'clear ice' generally considered the most dangerous type of structural icing?

- a) Because it only forms at extremely high altitudes out of drone range.
- b) Because it is heavy, hard to see, alters the shape of the airfoil, and is difficult to remove.
- c) Because it creates an electromagnetic field that disrupts the drone's compass.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance

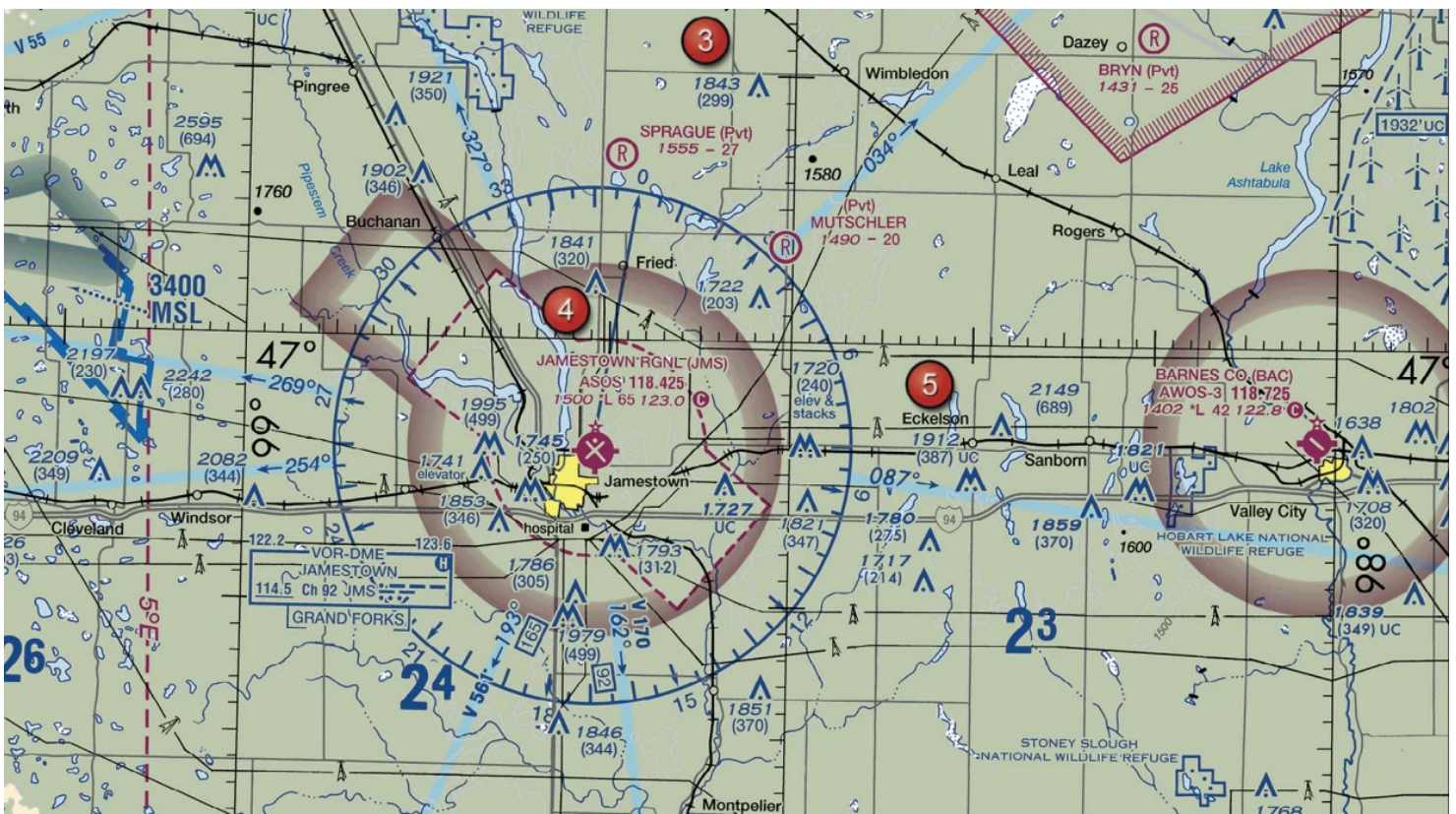


QuizVds.it

66. On a sectional chart, what do the grey lines labeled 'VR' or 'IR' followed by a number indicate?

- a) Victor Airways.
- b) Military Training Routes.
- c) Instrument Approach Procedures.

67. What is the CTAF/UNICOM frequency at Barnes County Airport?



- a) 122.8 MHz.
- b) 123.6 MHz.
- c) 122.0 MHz.

68. Can a Part 107 remote pilot operate an sUAS in Class A airspace?

- a) Yes, with ATC authorization.
- b) Yes, if the drone is IFR equipped.
- c) No, sUAS operations are limited to a maximum of 400 feet AGL (or 400 feet above a structure), well below Class A.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

69. You are looking at a sectional chart and see an airport symbol that is magenta colored. What does this typically mean regarding the presence of a control tower?

- a) The airport has an operating control tower.
- b) The airport does NOT have an operating control tower.
- c) The airport is strictly for military use.

70. You have been hired to drop promotional flyers from your drone during a festival. Under Part 107, dropping items from an sUAS is:

- a) Prohibited under all circumstances.
- b) Allowed, provided the items do not create a hazard to persons or property.
- c) Allowed only if the flyers weigh less than 1 ounce.

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

Response Scheme

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

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

Exam simulation

FAA Part 107 Drone Exam Prep - Loading and performance



QuizVds.it

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: _____		