

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

Full Name: _____

Address: _____

Telephone # (s): Home _____ Cell: _____

Certificates/Ratings held: _____

Pilot Certificate #: _____

Email: _____

Medical Statement:

I _____ certify that I have no known medical problems or defects which make me unable to safely pilot a glider. In the event that my health status changes or comes into question, I will notify Unusual Attitudes; DBA "Miami Gliders" immediately and evaluate my status as a renter/student.

Pilot's Signature: _____ Date: _____

Emergency Contact Information:

Name _____ Phone # _____

This pre-solo written test is required by FAR 61.87 and was administered and reviewed by a CFGI.

CFI Name _____ Date _____

CFI Signature _____ Cert# _____ Exp: _____

This test will be filed with our student records at Miami Gliders at a location of our choosing.

Materials you will need to complete test:

Glider Flying Handbook

FARAIM (current)

Miami Sectional or Miami Terminal Area Chart (TAC)

Blanik L23 Manual

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

Pilot

1. What document(s) must you have on your person as a student pilot while flying a glider?

2. Is it legal for you to carry passengers as a student pilot?

3. Who is responsible for the airworthiness of the glider?

Preflight Inspection

4. What documents are required to be in the glider and where are they located?

5. Are you required to conduct a preflight inspection prior to your first flight?

6. Describe a “positive control check”.

7. How do you lift the front glider canopy?

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

General Operating Procedures

15. How do you move & rotate the glider without a ground vehicle?

16. How do you move the glider with a ground vehicle?

17. What is the MIN length of the **ground vehicle towing rope** when using a vehicle?

18. What is the recommended approximate length of the **aero tow rope**?

19. What do the regulations require for MAX & MIN strength of the aero tow rope?

20. What is the pre-takeoff checklist?

C _____
B _____
S _____
I _____
F _____
T _____
C _____
B _____
E _____

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

38. Name some landmarks that help you locate Homestead General Airport (X51).

39. Name & describe the controlled airspace just east of Homestead General Airport.

40. Name & describe (using landmarks) the controlled airspace approx. 9NM NE of Homestead General Airport (X51).

41. Where and how far is Richard's Field from Homestead General? (review special considerations w/ CFG)

42. When faced w/ an off-field landing, what are the 3 most important considerations?

43. Describe several ways of determining wind direction on the ground and in the air.

44. What is a prudent altitude to perform your pre-landing checklist?

45. Describe our visual references for entering the traffic pattern.

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

46. What is the pre-landing checklist?

U _____
S _____
T _____
A _____
L _____
L _____

47. What are the traffic pattern altitudes and directions for *all runways* and *all traffic* at Homestead General?

48. Describe the landing attitude and position of airbrakes at touchdown.

49. What is the maximum demonstrated crosswind component for the L-23 Super Blanik?

50. Describe the techniques used in crosswind takeoffs and landings.

51. What might you expect after touchdown in a crosswind with respect to directional control and how would you handle the situation?

52. What is your primary responsibility as PIC?

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

Glider Performance (Blanik L-23)

53. What is the *typical* aerotow speed?

54. What is the MAX aerotow speed?

55. What is Maneuvering speed (V_a) and why is it important?

56. What is Never-Exceed Speed (V_{ne}) and why is it important?

57. What is the function of the yaw string?

58. What is the definition of a stall?

59. What are some indications of a stall?

60. What control inputs effect recovery from an imminent, full & turning stall (discuss w/ CFIG)?

61. What causes a spin and describe a spin recovery?

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

62. What is “minimum sink” speed and what is the effect of flying at that speed?

63. What is “maximum L/D” speed and what is the effect of flying at that speed?

64. What speed range would you fly when thermalling?

65. What speed would you fly when traveling between thermals?

66. What action(s) would you take if you encounter “sink” (descending air).

67. How do you determine what speed to fly in the traffic pattern?

68. Describe your traffic pattern with respect to ground speed and wind correction if your landing on rwy 27 and the wind is SW at 15 knots?

69. How can you maintain approach speed without looking at the airspeed indicator?

Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

70. What happens to your *indicated airspeed* during a slip?

71. What does TLAR mean and when do you use it?

Weather

72. Simply, what causes thermals to develop? (Hint: One word)

73. What are some visual indications of a thermal?

74. What is a sea breeze front?

75. How can you be “trapped” by a sea breeze front?

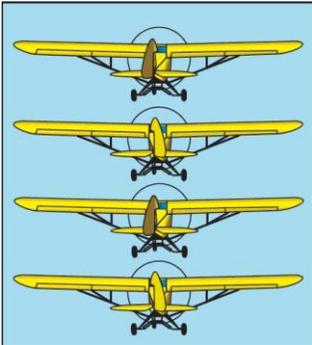
76. Explain the visual indications & hazards associated w/ thunderstorms? What must you do if you encounter these conditions?

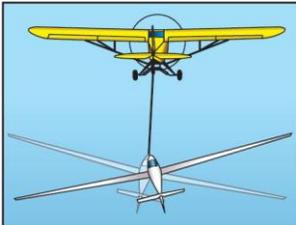
77. In respect to aerodynamics. How is the gliders performance affected by rain?

78. Who makes a glider fly **safely & precisely**?

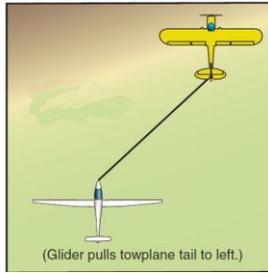
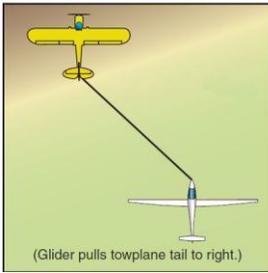
Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider

Fill in the blank for each SSA/SSF Visual Signal

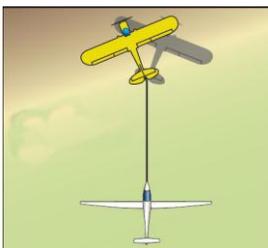




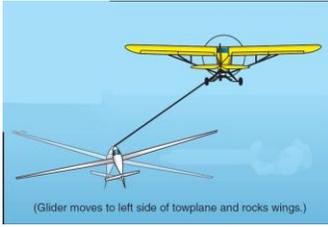
Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider







Miami Gliders
Pre-Solo Written Test
LET – Super Blanik L-23 - Glider



END