CSA 2018 ANNUAL QUIZ

Name: _____

Address: _____

Pilot Certificate Number: _____

Phone Number: _____

E-Mail:_____

1. List the following speeds for each ship you fly. Assume single person.

	Solitaire	Grob103	SGS 232	LS-4.
Vs	_____	_____	_____	_____
L/D	_____	_____	_____	_____
Min Sink	_____	_____	_____	_____

2. How much time should be spent in doing additional duties for every flight that you make?

A member who is pulling his or her weight will do all of the following and more.
(List 4 or 5 items)

3. A Squawk list is to be filled out for any problems with the glider or other equipment. Serious problems should be reported immediately to:

4. Who is responsible for the tow rope to be in good working order?

5. Who is responsible for reporting flight time for a CSA glider?

6. If you experience a rope break at 300 feet, what is the maximum headwind (i.e. down the runway) you will attempt to return to the field with a downwind landing?

Solitaire

G-103

2-32

LS-4

Discuss your answer with the grading CFIG.

7. What is the only document that you can legally use to confirm a ship is airworthy? Where is it kept at Owl Canyon?

8. What is the glide ratio (over the ground) for the LS-4 with a 10 knot tailwind? With a 10 knot head wind? (Use the standard safety factor of ½).

How many feet will you lose in 10 Nautical Miles in each case?

9. What is the CTAF at CYS?
FNL?
GXY?
LAR?
What is/are the equipment requirements to land at each of these airports?

10. What is the forecast wind for Laramie from 1600 until the end of the forecast?

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KLAR 011720Z 0118/0218 25013KT P6SM BKN110
  FM012100 29015G25KT P6SM SCT110
  FM020100 29010KT P6SM SCT110
  FM020400 33007KT P6SM BKN060
  FM021500 25008KT P6SM SKC
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11. Where would you look to get some idea of the weather at 4CO2 if the OCGP weather station is down? List several alternatives and discuss with your instructor.

12. Where do you download a sounding for Owl Canyon?

13. Define the term "trigger temperature"

14. Explain wind gradient

15. The Solitaire's annual condition inspection was completed on Mar 19, 2016. What is the last day you can legally fly it?

16. Without a radio, how do you signal the towplane to slow down?

To speed up?

To indicate that you can't release?

17. What should you do if the tug "fans" his rudder?

Rocks his wings?

17. You feel you might have to land out in a field while on a cross country. What are things you should look for in a possible landing site?

_____ _____

_____ _____

_____ _____

_____

19. During tow, your canopy opens. Describe the correct procedure(s) for this situation.

20. When is supplemental oxygen required?

What physiologic conditions might necessitate going on oxygen at a lower altitude?

What are some of the symptoms of hypoxia?

Discuss the club rules for safely filling the ships' oxygen tanks.

21. A sailplane pilot can differentiate between a spin and a spiral dive because in a spiral dive,

A) the speed remains constant.

B) the G loads increase.

C) there is a small loss of altitude in each rotation.

22. 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 longitudinal axis and that of the air striking the airfoil.

C) airplane`s center line and the relative wind.

23. What is the effect on density altitude of the ambient temperature changing from 32 F to 50 F at a constant pressure altitude of 3000'?

a) DA increases 1300'
b) DA increases 1000'
c) DA decreases 1000'

Discuss the impact of such a change with your instructor.

24. In the Northern Hemisphere, if a glider is accelerated or decelerated, the magnetic compass will normally indicate

a) a turn toward north while decelerating on an east heading.
b) correctly only when on a north or south heading.
c) a turn toward south while accelerating on a west heading.

25. Match the airspeed indicator markings with the appropriate "V" speeds

a) radial red line	____ normal operating range
b) bottom of the white arc	____ never exceed airspeed
c) the green arc	____ caution speed range
d) the yellow arc	____ "dirty" (landing configuration) stall speed

26. What action should a pilot take when operating under VFR in a Military Operations Area (MOA)?

a) Obtain a clearance from the controlling agency prior to entering the MOA.
b) Operate only on the airways that transverse the MOA.
c) Exercise extreme caution when military activity is being conducted

27. The best lift/drag ratio of a glider is a value that (True/False)

a) varies depending upon the weight being carried.
b) remains constant and is independent of the weight being carried.
c) varies depending upon airspeed changes.

28. How often do parachutes have to be inspected?

True or False: If a parachute is past its inspection date, can you still use it as a cushion in the seat of the glider?

STUDENT PILOTS

1. When you fly solo, what documents must you have on your person while flying?

2. What documents must be in the glider?

3. Who is responsible for inspecting the tow rope?

4. How many days can you go before you need to fly with an instructor in order to continue flying solo?

5. Can you solo without an instructor on the airfield?

WINCH QUALIFIED PILOTS

1. Where is the limitation stated for maximum indicated airspeed during a ground-launch?

2. Whatcolor is the weak link for the G-103?
The 2-32?

2. Who is authorized to stop a ground launch?

3. Who is authorized to restart a launch?

5. during takeoff at approximately 150 feet a.g.l. you see the drogue-chute on the winch line fully open and you are about to fly into the chute: what will you do and why?

6. How is the initial glider pitch set for the beginning of the takeoff?

7. What outside references do you use for pitch control during launch?

8. What is the currency requirements for conducting a ground launch as a Pilot in Command?

9. Explain the rope-break procedure under the following conditions: 1) 100 feet 2) 200 feet 3) 600 feet

Club member Signature_____ Date _____

Instructor Signature_____

Revised 1/1/18 MFR, HAS, BC